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Spring - 1996

QCWA JOURNAL

Volume XLV, Number 1

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From the Editor:

A couple of people have been helping me with the Journal and I would like to acknowledge them - this is not a one-man operation. The first person is my wife Shirley and the second is QCWA General Manager Jim Walsh.

Shirley runs the office here. She keeps everything organized - me included. She does all the typing, all the filing and helps me in any way she can. I couldn't function as Journal Editor without her.

Not too many people know just how much General Manager Jim Walsh is involved in the production of the Journal. He handles all the business with our printer, prepares all the mailing labels, bills the advertisers and is just generally helpful in a myriad of ways. I talk with him almost daily; he's my source for all the QCWA information in the magazine. He also maintains a file on the BBS for me. He posts all the data I need for each issue: Silent Keys, New Members, Donations and so on. Jim is a tireless worker. Without him it would be impossible to produce the magazine. Thanks Jim and thanks Shirley. N6CSW

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Cover: Retiring QCWA Treasurer Wes Randles, W4COW presenting the President's Award to Phil Rand, W1DBM. Wes says, "Last October Blanche and I travelled in a driving rain storm up to Phil's home. The picture of the presentation was taken in the kitchen of his beautiful old farm home." Phil became a Silent Key on November 27, 1995. See the article "Phil Rand, W1DBM, Silent Key" on page 5.

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The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a noncommercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare. QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986. Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership. In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed. Membership inquiries and general correspondence should be addressed to the business office at 159 E. 16th Ave., Eugene, OR 97401-4017 USA. Telephone, 503-683-0987. Fax/BBS, 503-683-4181.

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President's Message

Lew McCoy, W1ICP

If all goes well, I will be hitting the big 80 very shortly. As many of you know, I decided not to run for a second term as your president. I feel, and strongly so, that QCWA has reached new goals as an organization. We have excellent management with Jim Walsh and Pam Hayter. Your Journal speaks for itself. Barry Wiseman, and his wife Shirley, have done a marvelous job producing our book. Our financial record's on a good track - and most important, our scholarships fund is now approaching \$150,000. Keep in mind that when you donate to this fund - you will be making scholarships for as long as you can imagine. We use the principle amount to earn the scholarships so let it grow!

Your president elect, Jack Kelleher is an exceptionally fine person for the job. He has a tremendous amateur background and is devoted to QCWA. He knows Washington, DC, inside and out - and that means FCC. He has been your and my Financial Manager and has been simply outstanding. No one can complain that I am campaigning for him because he is already the elect. Don't misunderstand, I will be around until September 1st, but I may not get the chance or chances to tell you some of these things. We all owe a strong vote of thanks to Wes Randles, W4COW, who after many years of service is stepping down. He has kept me on the straight and narrow on many occasions with this wealth of experience. Also, I would be remiss if I didn't mention all the good work that John Swafford, your national secretary, has done. He does an absolutely excellent job in his position.

I have found that when you get to 80, and you are fairly well off, you can really be honest and call a spade a damn shovel and get away with it. (I also have noticed that nearly all QCWA members are not afraid to speak out when something is bothering them - I guess that comes from not necessarily getting older but rather, getting experience.)

Which reminds me of some of the things I have had to face in amateur radio where honesty is almost sacrificed - someday soon, some of you ask me about ARRL and incentive licensing - and maybe I will really break down and let go.

I am going to wind this up with some rather bad news. It pains me a great deal to have to write this but a great many hams, some of whom are QCWA members, are getting stung - and stung very badly - by ATLAS Radio. Atlas announced a few years back a new small transceiver for the low bands. We all had a lot of respect for the designer of said rig, Herb Johnson of Atlas. But here is the problem, Atlas has been taking hams' money for the rigs but not delivering. One of our members, B.H. Burdick, W5BQU, who incidentally is in his 90's (actually 95) and was licensed in 1930, ordered and paid for one of the Atlas 400X units on October 15, 1992, over three years ago! To this day, after countless phone calls and letters, he has not received his rig nor has he been able to get his money back. With tax and shipping, the rig came to over \$700.

To me this is doubly ridiculous, because they took your money for shipping and then never shipped. Are the postal authorities listening? We understand there are many others in the same "boat". All we can do is try to warn our members about this situation. Let the buyer beware!!

I am going to quote from the acknowledgement of order that was dated October 30, 1992.

"We apologize for the delay beyond the original time estimate. A number of factors contribute to the delay, mostly by component suppliers and Murphy's Law. We hope this does not create inconvenience, and that you can bear with us. Since the 310 is brand new design, it is difficult to predict the time required for completion of the first production runs.

(W1ICP note: This is a ridiculous statement when one considers over three years have passed.) We are being particularly cautious not to rush, and to make every unit perform as perfectly as possible. We hope that no one runs out of patience, but it is, of course, your prerogative to cancel your order and request a refund of whatever advance payment you have made. However, we believe you will find that it was well worth waiting for. Many thanks for your kind forbearance.

(Signed) Herb Johnson, W6QKI

Need I say more - incidentally, Burdick has been trying to get a refund but he has had no response to his written requests nor his phone calls. One last point --- why hasn't ARRL or QST let us know about this situation? At least QCWA is warning you.

Our editor has told me that Phil Rand, W1DBM (Silent Key) and Wes Randles, W4COW will be on the cover of this issue. Elsewhere in this issue I put down some of my thoughts and recollections of my good friend Phil. Here I would like to say a few things about Wes Randles who is also a longtime good friend.

Wes has been treasurer of QCWA for many, many years and is stepping down this election. I know that Wes and Blanche, his lovely wife (who is also a ham), have spent the majority of their retirement years in working for the betterment of QCWA. They have started many chapters, worked hard for the organization at meetings and conventions, and I know their interest will continue. Wes has been one of the net controls for the QCWA phone net (Sundays, 14347 kHz, at 1:00 Rocky Mountain time) for many years. For you members, keep in mind that Directors and Officers have no expense account worth talking about, QCWA is a labor of love. (As an aside, ARRL directors get as much as \$15,000 per year for their immediate expenses!) We all wish Wes and Blanche the best. W1ICP



Jean-Bernard Wolff, LX1JW, Silent Key

Word has just been received from Albert Leineman, DL9AR, that Jean-Bernard Wolff, LX1JW passed away on January 17, 1996 at the age of 92 years. He was the oldest OM in Europe and was one of the founders of the IARU. He is a member of the Hall of Fame and a longtime member of QCWA. He sponsored the German Museum of HAM-Radio with a great part of his own equipment. We lost a very important person in the history of Amateur Radio.

General Manager's Report

Jim Walsh, W7LVN

I have just completed going through the list of those fine young people to whom we have awarded Memorial Scholarships. They are truly exciting young people and we are going to entrust the world to them when they get out into the mainstream. How nice that we can contribute to their education and even better, how great that all of them are amateur operators. By the way, the fund from which these grants are made has been contributed to by many individuals and is apart from the general funds of QCWA. Only the interest is used to make the grants each year.

The Home Page continues to grow, and we are now seeing about 600 contacts a month to that page. Everything you "always wanted to know and were 'fraid to ask'" is included on our Home page. The address? It is this:

<http://www.efn.org/~qcwa>

Give it a try and, above all, share it with your friends. It is constantly "under construction" as they say, and there is almost always something new to view. We have established an electronic amateur museum and have a number of prints from some period back, for your viewing. If any of you have prints of your station that are sharp we would love to have them just long enough to scan them and we would also appreciate a description of the equipment we are seeing in the print. My good friend Gene Williamson, K7DBV, now has a new title "Webmaster" of our Home Page.

Election time is coming along very quickly and this issue of the QCWA Journal has a complete list of the candidates and

their statements. It is going to be a large ballot and I am not too certain I can get all the names on a single post-card size ballot. However, somehow and some way, you will receive a ballot. Our Tellers for this election will, once again, be our good friends in Chapter 162 the SE Wisconsin Chapter and Bob Jensen, W0VNLN will help guide their activities.



The hamvention season has now started. The first will be the Miami Tropical Hamboree, and there will be a number of QCWA Board members in attendance and at the booth. Remember that we have a "CARE" package available for any Chapter that might make arrangements to attend and tell about QCWA to a lot of people. Not only to 'tell' but to help them complete an application and then transmit the application and necessary fees back to headquarters.

With this, I am about to leave for Miami and the event they put on down there. Our very best greetings to all of you out there and thank you for being the truly great people that we already felt were our members. W7LVN

MORSE 2000

Sometime back I received a copy of magazine called MORSELS from Dr. Thomas W. King and it happens that Tom is also an amateur with the call of WF9I. After reading the material I received I found an e-mail address and sent a message off to find out more about this organization. What a discovery.

It develops that this is a group of people, of all types of education, who are using MORSE code to help in Rehabilitation and Education. Their subjects are generally paralyzed individuals who want to try to do more than they have been accustomed to doing in the past. The first international conference was held in the Fall of 1994 with people from a number of overseas countries. All of these participants agreed that the use of Morse code had great clinical applications. In 1997 there will be another conference, which again will be international in scope.

Their address is: morse2000@trace23.waisman.wisc.edu If you are interested they would probably be most happy to send some literature.

What they do is interface the individual with their computer, using some hardware, so that this individual can access the computer programs through the use of Morse. Some of the individuals have achieved 20 wpm and can handle not only word processing but graphics, engineering and CAD programs, as well as other areas that are necessary for an education. A number of studies (a number? I have several pages of research titles) have produced some very hard data for anyone to examine.

The client is invited to attend some sessions where he or she is evaluated. In this process, appropriate control sites such as eye gaze or finger pointing are found for operation of the system. Switches or interfaces are selected on the person's primary control site(s) and other abilities. After some experience with the client, continuing consultation leads to a more refined system for operation and use. With the great increase in computers in the home and also access to the internet these people are now able to properly join in these activities and be able to make contributions.

Imagine, we have those who think we should do away with Morse code and here is a group of people who are making very broad use of it to help people develop their learning skills. The story is related in one of the folders about one individual who entered into accounting in a Jr. College and then entered a University, finally obtaining a degree and subsequently passing the CPA exam. Not too many years ago this would have been impossible.

One of the articles quotes a person involved in this work as saying "Morse Code is practical for persons with physical limitations because it is easy to pick up on its rhythmic patterns and operate devices using a single switch,"; this from Dr. King who supervises the clinic at the university. There are more than twenty manufacturers of Morse-input hardware or software for use in this program. What a great program.

Jim Walsh, W7LVN

Phil Rand, W1DBM, Silent Key

From Lew McCoy, WIICP

When I was employed at ARRL back in the late 40s, I came into the League as an Assistant Communications Manager and stayed in the Communications Department for a year. My father was an early spark operator, but my ham career started in South Chicago as W9FHZ immediately after WW II. However, believe it or not, television interference drove me out of the 9th call area and down into the Ozark mountains as WØICP. I only stayed in the Ozarks for slightly more than a year when I got the job at ARRL. This may seem longwinded but bear with me, it is all pertinent.

At ARRL, I found that the Communications Department was not my cup of tea. There was an opening in the Technical Department and George Grammer, WIDF, who was Technical director of League, hired me. I had been a half-baked professional magician and while I didn't know it at the time, George later told me that was the main reason I was hired - not for my technical ability. In any case, he sent me down to Remington Rand to talk to Phil Rand who was one of the Rand boys. It turned out that Phil had gotten into some long distance TVI problems and became determined to whip the problem. A modern day amateur has to realize that at this point in time, the early 50s, the very existence of amateur radio was strongly threatened by TV viewers. They didn't give a darn about the technical aspects of ham radio, harmonic suppression, etc. All they knew was that they wanted a clean picture so they could watch the fights or Milton Berle.

The League, through George Grammer and yours truly, embarked on a fight to eliminate the ham's blame as far as TVI was concerned. But we couldn't have done so nearly as fast without the help of Phil Rand. When I went down to the Norwalk area to meet Phil, (whom I did not know at that time) they sent me out to a long low building.

Phil was sitting at a desk in this building and there were rows of rack and panel cabinets. After meeting Phil I asked him what in the heck all the cabinets were for. He took me over, opened one of them and showed me countless 12AT7 vacuum tubes. I asked him what in heck all the thousands of tubes were for. Phil replied, "It is a computer, you ask it a question and it answers either yes or no - what is important is that you ask it the correct question - we call it UNIVAC!"

Well, Phil was a very savvy engineer and he led the way in shielding of transmitters and harmonic suppression - without him, I have serious doubts that ham radio would have lasted as long as it has. We put together what I called "The TVI Talk", and the ARRL sent me out all over the USA and Canada lecturing on the cures for TV. George Grammer and Phil Rand were my gurus - and damned fine ones at that.

I am somewhat of an agnostic but the absolute wonders of our world leave me feeling very strange. I like to think that George and Phil are somewhere out there where there is no QRM and the DX is always rare and always comes back - bless you both for what you have given us.

WIICP

The first letter that follows is a letter to me from Philip De Jarlais, WØJHS. He says he wrote a letter of appreciation to Phil Rand, W1DBM and would we be interested in Phil's response. The second letter is that response. N6CSW

Dear OM,

When I read Lew McCoy's article in the fall issue of the QCWA Journal about Phil Rand and his receiving a Plaque for all he did for radio Amateurs during the turbulent TVI days of the 1950's, I decided to write to Phil Rand and thank him for all the help he gave me with his 1952 edition of the "Television Interference" book, particularly page 82 and RFI from the old tungsten filament lamps.

In the early summer of 1952, I got a call from an irate television watcher. He said, "You are interfering with my television set!" I said, "Well, I am eating supper right now but I will go down and turn on my six meter rig and give a call and you can tell me what I said." I got the rig on the air and announced, "This is WØJHS, channel two and some additional information." The fellow said he didn't hear anything. I told him I would be right over and take a look at his problem. I had a part time television repair service at the time.

When I arrived at his home, I observed the broad band across the TV screen and I said, "Somewhere in this house you have one of those old tungsten lamps which is turned on right now." He said, "We don't have any such thing." I was standing at the stairway going upstairs and opened the closet door. There was one of those old tungsten lamps shining brightly. I snapped off the switch and the bar across the screen was gone. Snapped the light on again and the bar was back again. It made me look like a genius and I didn't even charge the guy for a service call.

Without the information in Phil Rand's book, I never in the world would have thought an old tungs ten lamp would cause TVI like that. After reading Lew McCoy's article, I thought I should write to Phil Rand and give him my belated thanks. I got his address from Lew McCoy and wrote to him telling him of my tungsten adventure and thanking him for all he did for us during the TVI days.

I got this nice letter from Phil, and his story of how he did the testing is worthy of repeating. I assume he would not object to having his letter printed in the Journal if you feel it is a worthwhile historical event.

Philip De Jarlais, WØJHS

Dear Phil,

I want to thank you very much for your interesting letter and the enclosures. I felt highly honored and am very proud of the handsome plaque delivered to my by Wes, the treasurer of the QCWA, after the National Convention. I was sorry that I was unable to attend the Convention due to my recent heart attack. I guess I have joined the old men's club with all the problems that most of the older hams seem to have.

Wes and I had an interesting time discussing ham radio back in the 1930's through the 50's when hams built most of their own gear. Today, they may not even build their own antennas.

continued on page 11

QCWA JOURNAL - Spring 1996

CQ DX

by Chip Margelli, K7JA, DX Editor
6652 Cerulean Ave.
Garden Grove, CA 92645

"There's no DX!"

How often have you heard this lately? Plenty of times, I'll bet. Yes, the "Saturday Afternoon Dxers" have flown the coop ... they've given up on the ole HF bands. What's a ham to do?

Plenty! And I don't mean take up stamp collecting, either! Right about the time that the naysayers abandon the HF bands is the time that I like them the best. For one thing, with fewer bands open, I have fewer bands to keep track of, and that means I'm less likely to miss something (*I hate it when that happens!*). Secondly, with fewer "DX Hogs" on the bands, I have less of a pile-up to fight through with my peanut whistle signal. Thirdly, with everyone assuming that the higher bands are dead, there's much more satisfaction when I snag that rare Indian Ocean station on 15 meters. On Long Path. Finally, with the ionosphere's F layer not being so active as it is at the solar maximum, I take the opportunity to explore some propagation modes that might literally be "covered up" by a big F2 opening a few years from now. Herewith I present some simple cures for the "Sunspot Blues." I hope they help you!

1. Don't Trust Packet!

Although packet DX Clusters are a wonderful tool for DX spotting, you can't exactly determine the MUF (Maximum Usable Frequency) by watching your local node's DX reports. While everyone is congregating on 14 MHz, because that's where all the spots are, 15 meters could be opening to the Middle East. When you're fishing, it never hurts to dangle your worm a bit to the side of the lily pads; DXing works the same way. When in doubt, look one or two bands higher than everyone else is reporting DX on.

2. Watch Our Newest Bands

Although they're hardly "new" bands any more, the 30-, 17- and 12-meter bands are still under-utilized, and they provide a useful "fill-in" role when propagation is marginal. How often have we heard someone say, "Gee, there wasn't any DX on 80, 40, or 20 tonight," as though the 10.1 MHz band didn't exist. You may very well be able to use your 80-meter dipole on 30 meters in a 3rd-harmonic mode, and it might just provide you with some DXcitement when 20 has folded. The 30-meter band has reliable and superb Long Path propagation on a regular basis, too, so watch those sunrise and sunset time periods for particularly unusual DX.

3. Be a Contrarian During Openings!

Particularly in a DX contest, when you're trying to work as many 'New Ones' as possible in a short time, do you find yourself getting clobbered by the same bloke in pile-up after pile-up? That's because you're both sweeping the band in the same direction! The vast majority of operators start at the low end of the band, working their way higher. But it seems that the low end of the band is often populated by "serious" contest operators that you've probably worked a hundred times.

Go to the high end, and work lower from there. Oftentimes, the rare DX is hiding up high, getting away from the rat-race at the bottom of the band. With fewer stations competing with you, you may find that you snag that rare African with one call. Then, sweep the band from top to bottom, instead of doing

what everyone else is doing (sweeping from bottom to top).

In a few months, when all the "Big Gun" operators in the QCWA are clobbering you (because they read this column) as you follow this advice, you can reverse course and sweep from bottom to top, hi.

4. Try New Propagation Modes

Just like real estate, "they" aren't making any "new" propagation modes on HF these days. But you might be shocked to find some of the oddball propagation modes that are around that you've never noticed.

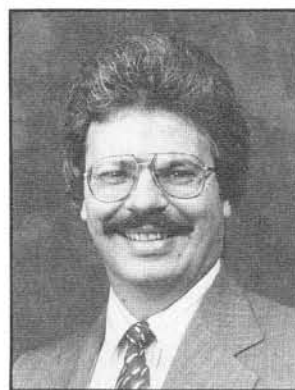
In the morning on 17 through 10 meters, try beaming to the southeast (from North America) to look for Europeans. There sometimes will be a backscatter opening, and if a European station is trying to work the Caribbean or South America, he or she may be quite audible on a very indirect path. If backscatter is strong, try the next higher band!!!

If you need new states (or close-in countries in Europe), try meteor scatter on 10 meters. Yes, meteor scatter. It's actually a very reliable way of making contact out to about 1000 km or further, and signals can be surprisingly strong. It is my experience that 10 meter meteor scatter is easier than it is on 6 or 2 meters lots of the time. You just need to make a schedule with someone, align your clocks accurately, then set up 15-second calling sequences whereby station 1 calls station 2 for 15 seconds, then station 2 calls station 1 for 15 seconds, and so forth. Meteor scatter is best after midnight, peaking for a couple of hours around 6:00 AM at the midpoint of the path, and it's a lot of fun. It's a neat way to get multipliers in a contest if you're entering in the 10-meter single-band category, too! After all, what else do you do at 5:00 AM on 10 meters?

Then you can also try Sporadic E (Es) on 10 meters. This propagation mode, which peaks in the summer months, and has a minor peak in December and January, can happen at any time. It can really liven up 10 meters, and not just for close-in contacts (New York to Georgia, for example). Every summer, thousands of contacts are made between the West Coast of North America and Japan, and the East Coast and Europe, at times of day that seem odd for a so-called "daytime" band. For example, from W6 and W7 28 MHz will often open to JA starting at 11 PM locally (on the Western end of the path), which is 1700 local time in Japan. This opening will often include HL, BV, BY, VR2/VS6, and other juicy Asian countries, despite being over a path of total darkness! Yes, it's a little sporadic (it probably only happens on 30%-50% of the evenings in June and July (!), and yes, it does involve quite a few hops (five to seven) via the E layer. But it does happen. And it can extend to six meters.

5. Try VHF DXing

I won't delve into this subject to any degree. Let it suffice to say that VHF DXing has the benefits of (1) the fact that antennas are a lot smaller on 432 MHz than on 40 meters, (2) you can get nice awards for working "Grid Squares" that are only 1° x 2° in size, and (3) you tend to get really excited when you work something 500 miles away, which may be better than can do on 40 meters at any particular time!



Summary

Just because the sun is a little quiet, don't succumb to the temptation to wear out your video collection or spend countless mindless hours using antenna-design software to create 40-element 80-meter beams that you'll never put up. Get on there, make some noise (call CQ DX!!) and keep those bands hopping. They're only as dead as we all make them. . .and if we make them appear *too* dead, someone might try to take them away from us! Good DX de Chip, K7JA

The Infinite Frequency Spectrum

by Richard Regent, K9GDF

J. Travis Baird, W9VQD, passed away on January 24, 1996 at the age of 82. About a year ago Travis had a heart pacemaker implanted to ensure a regular heart beat, but recently had some strokes from which he never recovered.

Travis loved to do everything in his busy lifetime. He enjoyed photography, speed skating, sailing, football, computers, music, the opera, playing the violin, taking nifty travel trips and most of all his family. As a youth he was an Eagle Scout. Shortly after building a crystal set he was first licensed in 1935 as W9VQD. He graduated from the University of Wisconsin-Madison in Electrical Engineering in 1938. Mr. Baird met the beautiful red-haired Marion at one of his engineering jobs and they married on October 5, 1940. He later became the father of two daughters and as the family grew, they worked together to help design and build their own house. He was a PTA president. He was on the Engineering staff at U.S. Naval Underwater Sound Labs and Submarine Signal Corps and held the Navy MARS call NNNØENB. His careers included working as Assistant Electrical Engineer at Underwriters Laboratories prior to WW-II, Square-D, and with his own partnership company of Graphic Enterprises in Milwaukee.

W9VQD operated 160 through 1-1/4 meters, including the ATV mode, and enjoyed 47 years of ARES volunteer activity. He was a Life Member of the Quarter Century Wireless Association, with a 60-year QCWA plaque, and a Director from 1987-89. He is well remembered as auctioneer of QCWA Chapter 55 who could auction 'most anything to raise money for the Chapter. One member slipped him his own sport coat and for a while he almost started bids on its sale.

Travis joined the Milwaukee Radio Amateur Club in 1932. He was awarded a trophy as 1940 MRAC pie-eating champion. He led the Club to organize and sponsor the 1948 ARRL National Convention in Milwaukee, of which he was a Life Member also. W9VQD was MRAC President in 1962 and 1966. Travis once stated about radio clubs, "The only way to get a good seat is to come early or to be an officer." He always got a seat, because he has held almost every office in every club in the area at various times. W9VQD was also active in the Ozaukee Radio Club.

Travis told me "I have all these patches on my sweater to cover solder holes". Some days he would wear a T-shirt with the words "I'll be in the basement," where he would experiment with loads of electronic parts and radios piled around narrow winding aisles. He would emerge with ideas, like using spark-gap transmitter parts to keep squirrels away from his bird feeder. Travis was early at swapfests carrying his empty gym bag to collect bargains and "junkie." He would sneak back into the house to empty the full bag, as his daughter Betsy said, "into the one-way basement".

Travis helped others before he would fix his own broken dryer. When Jon Pierre Coenen, OK1KCN, came to Milwaukee as a part of a teacher exchange program, he wanted to find another ham to help get settled. So W9VQD welcomed him to the area and gave him a tour of the landmarks and radio clubs. Travis was a good will ambassador for ham radio over the next several years, and also a great friend, so that on Jon's next visit to the states he took the license exams and eventually got the call N9FOW. Travis and his wife then returned a visit to their friend Jon on one of their travels.

Travis is survived by his wife Marion, daughters Betsy (Stephen) Barnes and Mary Lou Baird, and grandsons Andrew and Peter Barnes, who will remember him for his enthusiasm for life, as a most unforgettable character who loved to laugh, and as a renaissance man who loved people.

Travis will be missed by radio clubs as most cherished of all members. Amateur radio operators still recall Travis, peering over the top of his reading glasses, in a bow tie and wearing a sport coat, giving a Santa-like laugh. As Ed Willie, W9PWG, summed up our thoughts at the memorial service, "Thank you Travis, for being a wonderful lovable friend." KG9DF

JONES KEYS



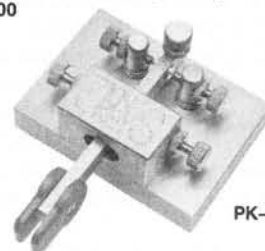
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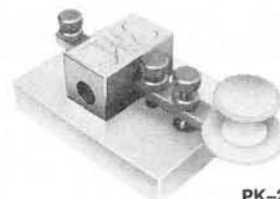
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FCC Highlights

By Jack Kelleher, W4ZC, 612 Ednor Rd., Silver Spring, MD 20905

Code speed requirements (again)

Last fall, three Technician class amateurs wrote to the FCC seeking changes in the General class telegraphy requirements. Alan N. Selin, WA1AGK, Naples, FL; Christopher S. Salinas, NØTTW Brainerd, MN; and Clifford R. Todd, KB5YSW, Carthage, TX wrote separate letters to the FCC which the Commission treated as Petitions for Rulemaking.

These individuals wanted to substitute 5 wpm for the 13 wpm telegraphy requirement necessary to qualify for a General Class operator license. Mr. Todd's letter was signed by seven other amateur service licensees. Todd and Selin also requested that holders of the Technician-Plus Class operator licenses be granted General Class operator privileges.

The FCC ruled that "The current amateur service license structure and examination requirements were developed in accordance with the expressed desires of the amateur service community through numerous rulemaking proceedings that generated thousands of comments. The amateur service indicated on each occasion that it strongly desires to preserve communications by telegraphy.

After considering the views expressed in these proceedings, the Commission adopted the rules that are codified in Part 97.527. The requestors have not presented sufficient evidence to justify revisiting these matters at this time."

The Family Radio Service (FRS), and other proposals The FRS

The proposed FRS is not related to the Amateur Radio Service per se, but we have covered it previously and will continue to cover it, in view of the implications of non-licensed operation; and in view of previous happenings in the Citizens Band Radio Service (the CB service went from licensed to unlicensed operation and, of more concern, operated outside of its channel assignments).

In July 1994 the Tandy Corporation filed a petition for Rule Making to use channels in the UHF spectrum for a new Family Radio Service (FRS) "without the burdensome licensing and technical requirements of existing radio services". The FRS Service, as proposed, would use 500 mW transceivers on 16 channels in the General Mobile Service (GMR), a licensed personal radio service for individual use. (These frequencies are in the 460 MHz region of the spectrum).

The FCC accepted the Tandy proposal on July 26, 1994, assigned it the file number RM-8499 and put the item out for a 30-day comment period. After studying the submitted comments, the FCC issued a Notice of Proposed Rulemaking (NPRM) with a deadline of October 2, 1995 for Comments, and October 16 for Reply Comments. The FCC's comments, in the NPRM, indicate that the Commission intends to establish the Service essentially as proposed.

Other proposals

Another petition, filed by Flash Comm Inc., a joint venture of the Harris Corporation and Lexmark, proposes a "Messaging and Location Tracking Service (MLTS)" (Harris Corp. is a well-known manufacturer of electronics, broadcast and printing equipment; Lexmark was formerly the IBM typewriter and printer division). The proposal envisions 10-watt unlicensed mobile transmitters which could choose ANY (emphasis added) one of 9000 chan-

nels in the entire 3-30 MHz range. MLTS vehicle radios would receive messages from non-HF stations. The vehicles would use the HF bands on a secondary non-interference basis to communicate with regional base stations, from which messages would be relayed to customers.

The petitioners claim that there will be no interference to primary licensed HF radio users from the system's operation in the 3-30 MHz band. Flash Comm said that vehicle units would examine potential transmit frequencies in use by others before transmission. The device may transmit on any one of 9000 channels in the 3-30 MHz band that it finds to be clear. Other characteristics stated by the petitioners include:

Transmission time of five seconds maximum, two seconds average, with noise-like emission;

Long and random time intervals between consecutive transmissions on the same frequency;

A very low transmit power (10 W out of the final amplifier into a 50-ohm load, using a maximum 3 kHz wide signal;

ERP out of the MLTS user device antenna typically less than 10 watts -- more on the order of 2 watts.

In the unlikely event that an MLTS transmission arrives at an unintended receive station above the noise floor at that station, it will often be sufficiently below the intended signal level so as to be imperceptible.

Since the MLTS system will be required to choose clear frequencies on a near real time basis, the likelihood of hitting a co-channel primary user multiple times in a short period is highly unlikely.

The rationale for unlicensed operation is that mature MLTS systems may result in hundreds of thousands of remote user devices implemented across the United States. The requirement to license such a large universe of user devices would severely tax the Commission's resources while adding substantial delay in the implementation of any MLTS service for no real benefit. Because of the extremely large number of MLTS units envisioned for field operation, effective regulation by policing individual users would be administratively impossible.

Compliance may be assured by treating persons violating the MLTS rules by using modified or non type accepted equipment as operating without proper authorization in violation of Sections 301 and 302 of the Communications Act.

Enforcement under Section 401 of the Act would provide civil and criminal penalties."

PRB-1 is still alive

The Massachusetts Ham Radio Tower Bill (H-2782) was signed in late November and takes effect in 90 days. It reads: "No zoning ordinance or by-law shall prohibit the construction or use of an antenna structure by a federally licensed amateur radio operator. Zoning ordinances and by-laws may reasonably regulate the location and height of such antenna structures for the pur-



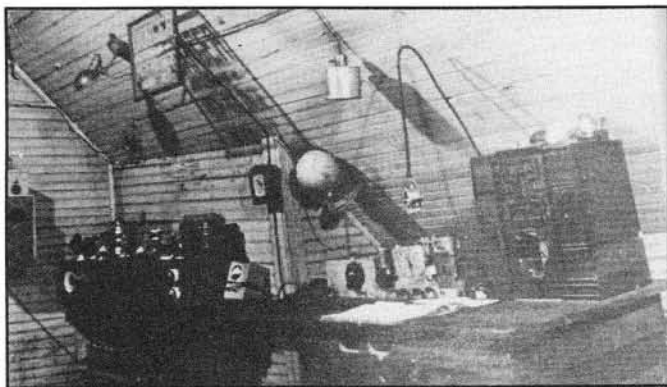
poses of health, safety, or aesthetics, provided, however, that such ordinances and by-laws reasonably allow for sufficient height of such antenna structures so as to effectively accommodate amateur radio communications by federally licensed amateur radio operators and constitute the minimum practicable regulation necessary to accomplish the legitimate purposes of the city or town enacting such ordinance or by-law."

(Ed: One can foresee many challenges and tests of this law; but it's a step in the right direction).

CW and WRC-95

The bottom line concerning ITU Radio Regulation 2735 is that the Conference agreed that 2735 will remain in the Radio Regulations without change, and that the preliminary agenda for WRC-99 will include an item "Consideration of Article S25 concerning the Amateur Service and the Amateur Satellite Service."

The wording is general, referring to the entire article S25 (S25 is the new number of Article 32 in the current Radio Regulations). W4ZC



Dear Editor

Your published interest in our old time gear is fantastic. It inspired me to dig very deeply in foto files to come up with the enclosed copy of a faded print.

This is W4ANN, circa 1937, Barnesville, GA. At the time I was the only licensed ham station in the county. I had been active for 5 years already from locations in North Carolina, Kentucky, and another Georgia town but this is the oldest foto I can find. The room is an attic bedroom of an old farm house. The breadboard rig was a 247 tube crystal oscillator followed by an 801 triode amplifier. I was mostly active on CW (still am) but Heising modulation (AM) was available from a pair of 245 tubes on the lower shelf. The power supply was a home-wound transformer feeding a bridge rectifier of four type 83 tubes. Some 50 feet of rubber insulated 110 volt type zip cord wire fed the bottom of homemade ladder line to a half wave Zepp on forty meters. Antenna changeover (xmtr/rcvr) was by a string operated "three way" house type switch. Note the "Bird House" on the left wall. That was a neon lamp/spinning mirror oscilloscope and it actually displayed my modulation and my carrier hum on CW (considerable). The receiver was a stripped down Knight (Lafayette) all band job with the external small variable "band spread" condenser (not capacitor) on the chassis just to the left of the receiver.

Ham radio isn't the thrill now it was then but it sure is a lot easier and more reliable. The foto is yours for disposal, publication, or insect repellent.

Rowland Medler, W4ANN

BOOK REVIEW

Wake of the Wirelessman, by B.J. Clemons

Reviewed by Gene Williamson, K7DBV

"A wireless operator who helped in sea rescue was a hero equal to Abraham Lincoln. Youngsters everywhere wanted to be wirelessmen, if only pretend. And it wasn't that difficult. Anyone could put together a radio set out of junk parts; popular magazines told how to join in the fun. Boys built radio sets, learned Morse code and filled the atmosphere with electronic chatter."

So begins B.J. (Bette) Clemons' newly-published book, *Wake of the Wirelessman*, the loving and well-told story of her father, Dale Clemons, W7AE (SK, and QCWA #3330).

Dale Clemons was a high school student in Storm Lake, Iowa - about as far from either Pacific or Atlantic Ocean as you can get and still live in America. His farm chores included driving the cows to and from pasture, and catching at least one fish dinner a week, but what he enjoyed most was listening to the Morse of faraway ships, dreaming he could be on one. Then his path crossed that of George Dodge . . .

Dodge's magazine advertisement offered - but only to ADVENTUROUS YOUNG MEN - "your chance to earn money in a new and growing field while traveling the seven seas." Best of all, "Graduates of our special 8 month course in marine wireless become eligible for employment by the Marconi Wireless Telegraph Company of America and immediate placement on a ship."

And so, at age 17, after convincing his father to let him quit high school, Dale Clemons enrolled in the September, 1913 class at Dodge's Institute of Telegraphy - the first class in the only school of its kind in the western hemisphere.

In those times marine wirelessmen weren't very popular with the crew aboard ship. No one really understood what they did, but working in a warm, dry Marconi Room, they were never covered with coal dust or salt spray. Dale dressed like an officer, conferred often with the Captain, and got to go ashore at will in every port. Gradually, however, he made friends with his shipmates.

Reading this book, you'll feel you're sharing that tiny, pitching, rolling sparks' shack with Dale Clemons. You'll travel down the Pacific coast of North America, and across the stormy Atlantic. You'll fight fires aboard ship, dodge gunfire, and help radio the positions of World War Two enemy submarines.

Wake of the Wirelessman is a splendid history of a working life that saw shipboard communications grow from signal flags and blinkers into radio waves that circled the earth. It's especially good reading when you think about how quickly we've come from iron men in wooden ships to black boxes capturing data streams from geosynchronous satellites.

Wake of the Wirelessman, by B.J. Clemons, is thoroughly indexed, 288 pages long, and includes 60 photos and illustrations. It's available in soft cover for \$16.95 from The Glencannon Press, PO Box 341, Palo Alto CA 94302 (phone 415/323-3731). ISBN 0-9637586-6-7.

Amateur Radio Satellite News

by Keith Pugh, W5IU, Vice President, Operations, AMSAT-NA, 3525 Winifred Dr., Ft. Worth, TX 76133

INTRODUCTION -

The most common comments heard at Amateur Radio Club meetings and Hamfests about Amateur Radio Satellites are: "I don't have the equipment to work satellites and I can't afford to buy more."

While I won't pretend that you can work all of the satellites for nothing invested, this column will be devoted to a "building block" approach to developing your station and operating capabilities in a relatively "painless" way. We will start with the satellites you can work with what you already have and end with a plan to develop a station that will permit you to work all current and planned Amateur Radio Satellites.

Your HF Station -

One currently active satellite, RS-12/13, can be worked with only your current HF station. This satellite operates in mode "K," 15 meters uplink and 10 meters downlink. Any modern HF rig with two VFOs and a "split" capability is all that is required. Antennas can range from your HF tribander beam to low dipoles. If you have an older transceiver that won't operate split it can be used as the 15 meter uplink and the 10 meter downlink can be covered with any separate 10 meter receiver or transceiver. The relatively cheap Radio Shack 10 meter transceivers are excellent for this purpose. Power is not important. Fifteen or twenty watts is adequate in most cases. Certainly the average 100 watt transceiver is more than adequate. Full duplex operation, necessary for Doppler correction on the higher frequency "birds", is not necessary here.

If you do want to operate full duplex, stations frequently have difficulty keeping the 15 meter uplink out of the 10 meter downlink. If uplink power is kept to a minimum and uplink and downlink station elements (antennas and transmission lines) are kept separated as much as possible, full duplex operation may be possible with no other additions. The addition of a 10 meter high pass filter to the downlink and/or a 15 meter low pass filter to the uplink should eliminate any remaining feedthrough.

Your HF rig can also serve as the downlink half of a mode "A" (2 meters up and 10 meters down) satellite ground station. Both RS-10/11 and RS-15 are examples of mode A "birds." Even the new Phase 3D satellite will have a 10 meter downlink for bulletin and educational information and 15 meter uplink that can be coupled through its IF matrix to many other downlink possibilities.

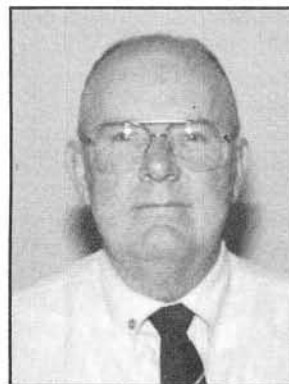
The 10 meter band makes a fine tunable IF for converters and/or transverters for other downlink or uplink combinations. These converters and transverters are relatively cheap and add a lot of "bang for the buck" to your station. More will be said about converters and transverters later.

As you can see, your HF station can be the sole means of operating on one current satellite and can be an important element of a station for several other "birds." Of course HF capability also permits you to check into the AMSAT HF Nets and still proves to be useful for liaison purposes. Don't sell HF capability short in your satellite station.

Your VHF/UHF FM Station -

With only a 2 meter FM radio, you are equipped to work the Russian Space Station, MIR, and the US Space Shuttle when SAREX is on board. Both of these platforms are likely to add 70

cm. FM capabilities in the future. Your dual band 2 meter/70 cm. radio can be used to work these "birds" when the new capabilities are added. Relatively low power and simple antennas can be used successfully on both of these "birds" if you also have patience and a little luck. Stiff competition and the FM "capture effect" make the patience and luck necessary.



Another use for your dual band 2 meter/70 cm. FM rig is AO-27. This Microsat can be configured as a "bent pipe" transponder and does a very good job with its 2 meter FM uplink and 70 cm. FM downlink. Not all 70 cm. FM rigs tune the 436.8 Mhz downlink frequency out of the box, but most of them can be "opened up" with a simple modification.

Two other "birds" make use of 2 meters for educational and experimental downlinks. These "birds," UO-11 and DOVE (DO-17), both operate on the same downlink frequency, 145.825 MHz FM.

Currently, these "birds" are operating in data modes and it will be necessary to have a 1200 baud AFSK packet TNC to copy the DOVE downlink. Any conventional VHF packet TNC fulfills these requirements. This same TNC will permit access to the packet capabilities available on MIR and SAREX. On the other hand, UO-11 requires 1200 baud inverted ASCII decode capability. This can be done with an old Bell 202 modem, a modified PK-232 multi-mode digital box, or any of the new DSP based modems. Occasionally, UO-11 still activates its "Digitalker" and work is still going on to make DO-17 talk again.

All of the "birds" that fall in the categories above are Low Earth Orbit (LEO) "birds" and can be at least heard with simple antennas including mobile whips and even "Rubber Duckies." Of course, more aluminum (gain antennas) is better. Silicon, in the form of receiver preamps and transmitter power amplifiers will help when the competition gets rough and the antennas are kept simple.

Your VHF/UHF FM gear can also be adapted for use on all of the digital satellites. Without modification, a 2 meter FM radio can be used for the 1200 baud Manchester coded uplink to the Microsats; AO-16, WO-18, and LO-19. A 70 cm. to 10 meter converter ahead of your 10 meter radio in SSB will complete the RF loop. A different modem (PSK) will be required for the digital box. The 9600 baud FM FSK "birds", UO-22, KO-23, and KO-25, can be accessed with your 2 meter and 70 cm. FM gear by making modifications to gain direct access to the receiver Discriminator and the transmitter Varactor Modulator. These modifications are necessary to bypass the bandwidth limiting, voice audio stages of the receiver and transmitter.

Again you can see that your VHF/UHF FM gear can perform important roles in establishing your satellite ground station capabilities. Use your imagination and put it all to work.

Your "Ultimate" Satellite Ground Station -

Assuming that you have been "hooked" on Amateur Radio Satellite operations, the next step is to put together your "ultimate" station. Again, this does not have to be done all at once and can start as supplements to the capabilities that may already be in your shack. Before going further, however, four important points must be considered:

1. Most satellite operation requires full duplex operation. This sets the requirement for two separate radios or a single radio that has two IF strips that can be operated simultaneously. These radios, or IF strips, should both have multi-mode capability, i.e. SSB, CW, and FM.
2. Nearly all satellite operation requires separate bands of frequencies for the uplink and downlink functions. This sets the requirement for dual (or multiple) frequency bands of operation.
3. Do you plan to work only the analog modes (voice and CW), only the digital modes, or both analog and digital? This decision affects, primarily, the digital processing portion of the station: TNC, modem, automatic controls, etc.
4. Do you want a fully automatic station (useful primarily for the digital "birds") or are you willing to do a lot of control manually? This decision affects primarily your station computer, computer hardware interfaces, and the degree of digital control your radios will accept.

After pondering the above points one approach could be incremental expansion of the station starting with addition of a 2 meter multi-mode capability. Adding this piece of hardware provides you with mode "A and T" capabilities in conjunction with your HF station. In addition, it provides one of the important channels for other satellite modes. The second piece of equipment for consideration should be a 70 cm. multi-mode capability. This addition completes the requirements for satellite modes "B" and "J," and adds the second all important channel for a complete station. At this point, you are ready to work most of the currently available satellite modes. It should be pointed out that this second channel could be a 70 cm. to 10 meter transverter ahead of your 10 meter HF rig. Remember, the radios could be separates such as the IC-275 and IC-475 or they could be of the two-in-one category such as the FT-736R, TS-790, IC-970, or IC-820.

A few words should be said about antennas. If your interest is primarily in the digital "birds," you can get by with relatively simple, fixed, omnidirectional antennas such as verticals, turnstiles, Egg-Beaters, etc. If you want to work the high altitude, analog "birds," you will want gain antennas, preferably circularly polarized, and steerable in both azimuth and elevation. For automatic station capability, the rotators must have a computer interface. Steerable gain antennas offer superior performance even on the LEO "birds." Phase 3D will have improved link budgets which would tend to negate the need for steerable antennas for most operations; however, on the digital side, Phase 3D may still require gain antennas for successful operation at the higher data rates that will be available.

With the two basic RF channels in place, expansion to other satellite modes requires only converters or transverters. For example: mode "L" can be done with the 2 meter IF driving an "L" band transmit converter while receiving with the 70 cm. radio. Mode "S" can be done by receiving "S" band through an "S" band to 2 meter receive converter while transmitting with the 70 cm. radio. For Phase 3D, this scheme of things can be carried out to support all of the planned modes. Many of these new microwave modes can be best supported by mounting the converters, pre-

amps, and power amplifiers at the antenna and keeping only the two basic radio channels down in the shack. Of course, all of this can be accomplished a piece at a time.

Conclusion -

I hope I haven't scared anyone off! The intent is to show how a station can progress from the simplest of satellite capabilities to your ultimate station in easy steps. This sounds somewhat complex when taken as a whole, but it is really simple taken a piece at a time. In future columns, specific examples of station architecture will be presented, especially for the new microwave modes of Phase 3D. For now, think about the points presented here and read some of the literature from the ARRL and AMSAT. See you on the "birds." W5IU

Phil Rand, W1DBM, Silent Key from page 5

I described to Wes how I became involved with TVI. My XYL's hairdresser had told her that the newspaper said that I would be put off the air if I bothered anyone's TV set. I phoned the FCC and they assured me that this was not the case, and so I wrote to the editor and told him off. In those days there was perhaps 1 TV set within a 10 block area of me.

With this background I began watching my own set for TVI and logged TVI from other TV sets, a doctor's diathermy and several old electric light bulbs. Then I found a ham in Newark, NJ, 50 miles away, crosshatching my channel 2. That did it. I decided to see what was the problem.

Knowing that the second harmonic of a class C amplifier could only be reduced 30 dB, which of course was not nearly enough, I took a General Radio signal generator apart to find out how they reduced a 1 volt signal to 1 microvolt, 60 dB. I found that it was done by RF tight shielding and filtering all leads leaving the shielded compartment.

To prove this I built a 1 watt oscillator right on TV channel 2's frequency and soldered it up into a copper box with its batteries. There was no interference to the picture at all.

Next, I drilled a hole in the copper box and kept the batteries on short leads outside the box. Now the TV screen went black. I now installed feedthru capacitors and RF chokes in each lead. This almost completely cured the TVI. Three more RF chokes from the box to the power supply finished the job.

Next, I had to find out why lowpass filters did not work when installed on a ham rig which was installed in a metal cabinet.

Lowpass filters had a good theoretical attenuation, however they never seemed to work to prevent TVI. I found that this was because the harmonics were bypassing the filter and were being radiated from the outside of the coax cable. This was cured by proper shielding and filtering of leads.

George Grammer of ARRL encouraged me to write it up for QST and then many requests to speak at radio clubs began pouring in. It seemed I had the bull by the tail and couldn't let go. I was supposed to be working for Remington Rand 8 hours a day and here I was traveling all over the country telling hams how to cure their TVI.

This is when Lew McCoy came to my rescue. I well remember the day that George called me and said he had just hired a young man named Lew McCoy and if I would take him with me on a few of my TVI lecture trips perhaps he could take over some of the burden for me. I agreed and finally was able to let go the bull's tail, thanks to the ARRL.

Thanks again Phil, for your letter and your kind words.
73, Phil, W1DBM

Sylver Belles

by Esther Given, W6BDE, 117 La Granada, Moss Beach, CA 94038

Helen Douglass, W5LGY, a 92 year old YL in Commerce, Texas, has an exciting and interesting story to tell. Her life has been spent proving that discrimination against the capabilities of the "fair sex" is a fallacy and working to erase these prejudices.

In 1913 Helen and her dad went to Galveston where they visited a ship. The radio operator allowed her to listen to radio signals through his headphones and thus set a goal for this precocious 10 year old. While she was in high school one of her instructors built a radio receiver. Helen was fascinated. Her dad felt that ten dollars for a radio tube for a new fangled gadget was a prohibitive cost for a hobby for his daughter.

Helen graduated from high school at 16 as World War I ended. By the mid 20's she had earned both a BA and MA degree and spent two years teaching in a public school system.

Meanwhile, back home, her father requested her help in operating his flourishing hardware store which had been in the family 35 years. Suddenly the young woman was thrust into the hardware, plumbing and sheetmetal arenas which she learned quickly and thoroughly to the surprise of the clientele but not her dad.

One evening in 1925 Helen's dad announced at dinner that he was taking on the dealership of Fada Neutradyne radio receivers, and as local representatives, the family would have the first of these miracles in their home. Her mother's reaction was negative. No one knew how to operate these contraptions let alone sell them. Her dad responded that the salesman had told him how they worked and would teach Helen how to install and operate them. The packaging of the receiver contained no written directions or manual. Helen tossed into a whole new field of endeavor as the official installer of Fada Neutradyne receivers. Somehow she succeeded, the home installation was in operation, and the Douglass family hosting "listening parties" for folks from miles around.

One Saturday a prospective customer refused to purchase a receiver because he was sure no woman could be smart enough to install it. Early the next Monday morning his wife came to the store, purchased the receiver and requested that it be installed and in operation before her husband came home for dinner. Helen made the sale and installation deadline gaining a gratified customer and proving her abilities as a radio expert.

Over the years Helen has been a prolific writer and researcher, spending spare time writing articles and columns for local papers, several trade journals and professional magazines for which she received small remuneration. These monies were put away and years later became the source of her first amateur radio equipment. In spite of the changes taking place in Helen's original plans for career, through her writing she made excellent use of her educational and family backgrounds by service to and interest in her community.

In 1939 Helen still had her interest in radio and recognized the importance of communication in a changing world. She began to study for her amateur license teaching herself code and theory. WW II intervened and she passed her test in February 1945, but had to wait till the FCC resumed licensing amateurs in 1946 before W5LGY was on the air.



Almost immediately she became a lifeline for her community in times of disaster. Ice storms in winter create havoc in her part of Texas felling trees, power and telephone lines, making road travel impossible and causing great property damage. On one occasion her own antenna was a victim of ice storm damage and required emergency replacement.

With other communications cut off from the rest of the world Helen established contacts with Texas hams calling for assistance and bringing in news from outside. Dallas contacts forwarded her reports on power disruptions and highway conditions to the Associated Press. Helen was recipient of great appreciation from her community and several ARRL Public Service Awards.

W5LGY also acted as a go-between for friends and neighbors who needed family emergency contacts which ham radio could accomplish. In 1947, her first year as a ham, Helen wrote a letter to the editor of QST which brought her responses from Italy, Australia, Switzerland and several US readers.

Among other accomplishments Helen was one of the founders of TYLRUN, (Texas Young Ladies Round-Up Net), which celebrated its 40th birthday last year in Commerce, Texas. Helen was an honored guest and enthralled the group with several stories of her early years in ham radio.

Another hobby which has been a joy for Helen and brought happiness to many children over the years was making and activating marionettes. For many years Helen and her puppets made the rounds of local schools presenting animated programs of educational and moral value to youngsters.

1995 marked Helen's 50th year as a licensed amateur. In that time she has not only been an active ham in community service but she's had fun and enjoyed the radio hobby that presented so many obstacles in becoming a reality.

Today, at 92 and legally blind, Helen resides in a nursing home in Commerce, Texas. Thanks to her indomitable spirit and the help of local OMs who are determined to keep her station operable, Helen is still on the air. She treasures her amateur radio experiences and does an excellent job of relating them. She cherishes the many fine friends that 50 years of QSOs have produced and considers ham radio the greatest of all hobbies. W6BDE

Note: W5LGY was the first YL to respond to this writer's request for bios from YL readers of the QCWA Journal. Mega thanks Helen, it's been great communicating!

Videotape The Meetings

by Bob Rickey, NF6P

8532 Red Hill Country Club Dr.

Rancho Cugamonga, CA 91739-1928

It is time to start making video tape recordings of some of our get-togethers and to distribute copies of the tapes to the meeting attendees. Usually there is someone, even in the smallest group, who owns, or can borrow, a video camcorder suitable to the task and most of our members own VCRs. It is only natural then for members to have at home video records of their meetings with friends. All it takes is a little organization and teamwork to do the job.

The trick is to produce a video recording that members would want to have at home. That's where teamwork comes into play. For several years I carried my video camera to meetings and took shots of as many of the attendees as I could in the time available. Many of those whom I would liked to have photographed were involved in conversation or some other activity when I wasn't busy myself. As a result I always came away from those functions disappointed because I was unable to photograph all of the attendees and did not get the shots I wanted of even those attendees I was able to photograph. I came to the realization it is not a one man job. If a video tape is to receive widespread appeal, all of the attendees must appear in it and have approximately equal coverage. It might also be desirable to record the guest speaker, if there is one, but shots of the attendees should be recorded first on the tape because it is those shots that will have lasting appeal.

At one meeting we finally obtained a reasonably good video recording. Upon two occasions prior to the meeting the president of our group announced to the on-the-air net that we would be taking video shots at the meeting and asked the members to cooperate. He thereby bestowed a bit of status to the activity and as a result it was easier to get members involved. Whereas I had tried to do it alone at previous meetings, sufficient help was available to do the job at a meeting last Spring. One member agreed to be the interviewer. He interviewed all of the attendees while another member rounded up the attendees and got them in line to be interviewed. I was the photographer. We found an area in which we could set up the camera away from the bad lighting and the distractions of the crowd. We mounted the camera on a solid tripod and used an FM remote microphone. A microphone with a cable long enough to reach from the camera to the subjects would have done just as well. The microphone built into the camera is not satisfactory, especially in a noisy environment.

We shot video non-stop, except to change subjects, for a little more than an hour and ended up with 42 minutes of recorded tape. Copies were mailed to the attendees. It is important to get copies of videos into the hands of the members. Otherwise they probably will never to see them and certainly would never have them at home to show.

Why bother taking a video camera to a get-together? Aside from the fact that it is interesting to view images of your friends, especially as time passes, it is not unusual for friends on a net not to have clear mental image of each other. After all, they can talk for years on the radio without ever seeing one another. Finally, you never know when the opportunity to photograph someone will be lost forever. I treasure the shots taken of two members because they have become silent keys. NF6P

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W9VQD

K5BLV
K8YFX

The Scholarship Fund is one of the greatest projects that QCWA has become involved with. Most recently the Fund received a very generous bequest from the estate of Edwin B Woodruff, W3SX, and his wife. This now makes the Fund in excess of \$143,000. Only the interest from this account is used for the Scholarship Awards. What a great way to ensure for our future.

Chapter Reports



Officers of QCWA Cleveland Chapter 1 for 1996. L-R: Paul J. Poling, N8CKG, Secretary; Bernhard P. Hinrichsen, W2NTB, President; Andy Doles, W8UDG, Vice-President; John Brant, W8WAB, Treasurer.

Chapter 1, Cleveland

About forty members including spouses and friends attended the Winter quarterly luncheon-meeting on Saturday, April 13. Lunch was promptly served at noon in Dimitri's restaurant, our favorite haunt for these sessions. There were no special formalities, merely the formal introduction of our newly elected officers for the current year, 1996.

After a brief meeting, President Bernhard Hinrichsen introduced our Cleveland Chapter 1 historian, Paul Cornell, W8EFW. Paul gave a fascinating talk on the Titanic. For example, we learned that the call letters of the station were MGY. Paul enhanced the talk with an illustration of how the call letters sounded on CW. Besides the usual facts of the ship's sinking, the nearby ships like the Carpathia helped us relive those terrible moments on the high sea at midnight with insufficient safety boats (which would of saved the entire personnel of the Titanic. In fact, during our Wednesday night net on our club station, KB8ZBH, chapter members asked for a follow-up talk in the near future, with special emphasis on the radio aspects of the tragedy.

Our condolences to the Hinrichsens on the passing of President Hinrichsen's mother-in-law, Mrs. Else Silichner.

Joseph Zelle, W8FAZ

Chapter 2, Chicago Area

The Chicago Area Chapter of QCWA had a most interesting historical event at their quarterly dinner meeting held on January 30, 1996. The featured speaker was Ed Dervishian, W9VSU, presenting "Working with Lee deForest". As most all radio enthusiasts know, deForest was the inventor of the radio tube. The patent covering his development now covers the grid element of all television receivers.

Ed related many of his experiences first being taught by deForest, and then being associated with him from 1940 to 1948. During the latter two years, he was deForest's personal assistant at American Television. He showed a copy of the book of deForest's autobiography.

Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal.

Please send the reports to General Manager, Jim Walsh, to arrive no later than the following dates: August 1, November 1, February 1, and May 1.



Featured speaker Ed Dervishian, W9VSU (left) explains some of the facts to be found in Dr. Lee deForest's book to Paul Crum, KF9BH, Chapter 2 Program Chairman and proud owner of two deForest tubes. Photo courtesy of Dale, WA9ENA

Paul Crum, Program Chairman, an antique radio collector, brought to the meeting one of the first spherical audions invented by deForest.

Lee Knirko, W9MOL

Chapter 10, Michigan

The Michigan Chapter meets on the air each Sunday morning at 8 AM local time. And with the way the bands have been during the dark hours the past several weeks, it has been quite a challenge to get the checkins listed. But our Vice President, Rich, K8HBG, has been doing an excellent job of getting the net started. We commend him for his efforts! The net meets on 3.903 MHz and we would like to invite Michigan QCWA members who are listed in the directory without a "home" chapter to join us, and become members of our Chapter. We also extend an invitation to any new Michigan members or visitors to look for us and join in.

Our President, Paul, W8YMI, and YF Alfa, KB8UZM, recently packed up the rig, and a few other essentials, and moved to God's country. That is to say, they moved to Northern Michigan, Traverse City, to be exact. We hope they are soon settled in and get that low band antenna back up. We will be glad to see them back on the net.



W8FLA in 1934, Shenandoah, PA

W8FLA, Alex "Polly" Polityka recently came up with a picture of his 1934 station. We are submitting a copy with this report for the enjoyment of all. Polly has been licensed since 1932 with the same call, even though he lived in Shenandoah, PA, when the call was issued. By the time PA was moved into the 3rd call area, Polly had moved to MI. On the desk is a National FB-7 receiver, a Vibroplex (still in use), a carbon mike and a speaker from a BC receiver. The transmitters are (left) 160 meter phone with a pair of 210's and (right) a CW rig with four 210's in parallel. The antenna in use was a half wave Zepp with 600 ohm feeders. Polly says "them were the days" Hi, Hi.

Remember the annual meeting: May 4, 1996, Cadillac, MI, at the Waterfront.

Beverley Stoner, K8ZJU, Sec'y/Treas.

Chapter 16, Barry Goldwater

We held the QCWA/SOWP annual luncheon meeting at the Safari Resort Scottsdale Conference Center on December 2nd.

Harry Synder, WØRN, introduced the speaker, Ron KeLong, WB6DHI. Ron presented the program, a discussion of Motorola's new Iridium system.

Ron described the Iridium system as a satellite-based, wireless personal communications network designed to permit any type of telephone transmission - voice, data, fax, paging - to reach its destination anywhere on earth, at any time. It will revolutionize communications for business professionals, travelers, residents of rural or undeveloped areas, disaster relief teams and other users who need the features and convenience of a wireless handheld phone with a single number for use worldwide. He pointed out the system is being financed by a private international consortium of telecommunications and industrial companies. The system will be operational in 1998.

He pointed out there were originally 77 earth orbiting satellites planned (66 are currently planned) which will provide this communications for this system. This looked much like the molecular structure of Iridium, hence the name Iridium.

Fried Heyn, WA6WZO, contributed several ARRL books as door prizes. QCWA contributed additional door prizes. The meeting adjourned at 2:20 PM.

About 80 attended the meeting.

The January QCWA Luncheon Meeting

The January meeting will be held at the Crestview Restaurant in Sun City West. The program promises to be a little lighter than the last several meetings.

Al Lee, W6KQI, will present the program. He will be talking of his experiences providing ham radio communications on the Queen Mary as it made its last voyage in the fall of 1967 - from England to its permanent new home in Long Beach. His account of this trip was written up in the December 1992 issue of QST (page 29).

Ralph Barr, WØDNO

Chapter 17, Allentown-Bethlehem-E

Due to weather conditions, December 16, 1995, only seven of us made it to the Barn-House Restaurant, which was quite a bit short of a quorum, so there are no minutes! The minutes for the November meeting will be presented at the January 20th meeting.

January 20 is the date (3rd Saturday), still at the Barn-House Restaurant, by popular demand! 9:30 AM is the time. Come on out, and pay your dues if you haven't already done so.

It appears, according to the membership data-base print-out from QCWA, Inc., that several of our members are delinquent in National dues. They have been notified. Further study of that information from Oregon shows that the following members' National dues expire at the end of the month as shown after their call, in this 1996 year:

W3PQX (Jan); W3BRU, K3ZTJ & KU3K (Feb); K3BTU, K3VUM & W3IDZ (Mar); W3EGY & W3CAU (Apr); W3IKQ & W3FYK (May); W3PNL & K3NWM (Jun); W3FVT (Jul); K3GOX (Aug); W2WZG & W3HHC (Oct); WA3HVR (Dec); NK3Y (Nov). Please bear in mind, if you have recently renewed then disregard this. Also dues went up January 1, 1996 to: 1 yr - \$20; 2 yrs - \$35; 3 yrs - \$50. Send em to QCWA, Inc., 159 East 16th Ave., Eugene, OR 97401.

Hope everyone has a happy and prosperous 1996. Keep your socks dry!

Ray, W3TDF

Chapter 21, Canton Ohio

Report of Canton, Ohio, Chapter 21 QCWA meeting November 11, 1995. Our annual meeting was held at Kurt's Restaurant in Massillon, beginning at 6:30 PM. There were 54 members and guests present.

The meeting was opened by Joseph Vignos, W1FEX. A prayer was offered by David Immek, KE4EW, our guest speaker from the Wyckliff Bible Translators.

John Edel, K8LBZ, our National Director, reported on the QCWA National Convention. He said that it was well attended, and much work was done. He stated that the National dues are being raised from 20 to 25 dollars a year. Ed Gammeter, the president of the Pittsburgh chapter informed us of the coordination meeting between chapters that was held in Sharon, PA. They had a large turnout from the Cleveland, Ohio chapter. The secretary's report and a financial report were given.

After dinner, Dave Immel presented an interesting slide program about Papua New Guinea. He told us of the activities of the missionaries in New Guinea where he worked. He described the island and the living conditions there. There are 800 languages spoken on the island. Law and order is a prob-

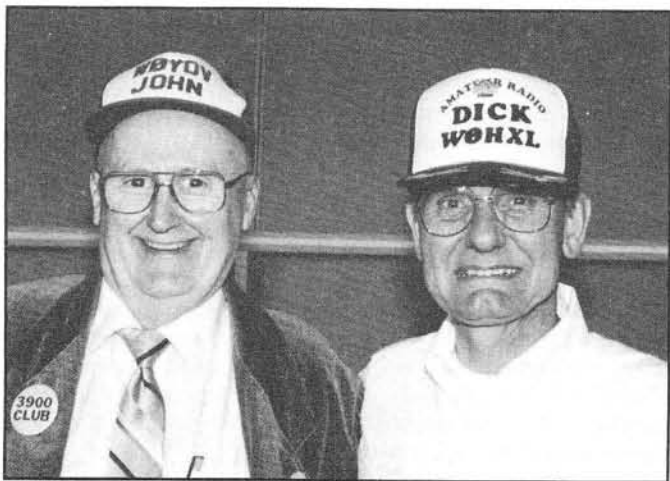
Chapter Reports, continued

lem, and the people have a different work ethic than us. They chew betel nut, a mild narcotic, for social purposes as we drink coffee.

Dave told us that there are about 100 hams on the island, but about half are inactive. There are three 2 meter repeaters on the island with two more planned.

Joe Vignos gave us his observations of New Guinea from WW II days, and closed the meeting at 8:45 PM.

Joseph Horvath, W8KDM, Secretary/Treasurer



1995 QCWA Luncheon; John, W0YDV, Board Member and Dick, W0HXL, President. Old friends having a good time.

Chapter 25, Nebraska

The Annual Meeting of Chapter 25, QCWA, will be held on Saturday, April 27, 1996. This is a luncheon meeting and we will gather at 11:30 AM, at the Knolls Restaurant, 2201 Old Cheney Road, Lincoln, Nebraska.

The buffet luncheon will cost \$7.50 per person, which includes tax, beverage, and tip. Your bill for lunch is to be paid at the Knolls cashier as you are leaving.

Traditional Buffet Fare. Anyone needing an exact menu may contact the Knolls at: (402) 423-1776.

Please make your reservation by March 31, 1996 with:

Reynolds Davis, K0GND

3901 S. 42nd St.

Lincoln, NE 68506-4212

Hope to see you there.

Dick Newsome, W0HXL, President

Chapter 29, Finger Lakes

Since the last report written October 27th, we have had regular last-Friday-of-the-month 11:30 AM luncheons at Webers, located at the corner of Danforth St. and First North St., in Syracuse, NY. Newsletters have been published on a regular basis, skipping the months in which the QCWA Journal arrives. In our November 95 and January 96 issues, we had very interesting letters regarding pre-WW II ham radio in Syracuse, written by Charlie, W2AK and George, W2RBK.

We are deeply saddened by the loss of two of our most distinguished members in this month of January: our past

Secretary/Treasurer and newly-elected VP Phil Noble, W2UKA; and the oldest member of our group, Bob Dome, W2WAN. Phil died very suddenly and unexpectedly on January 2nd. The records he has kept of the group's activities, as well as those of the Syracuse VHF Club, are thorough and irreplaceable. Phil was always concerned about others, and through him we came to know many hams better than we knew Phil himself. Bob, who worked at GE's Electronics Laboratory and held 115 patents, and who played a key role in the development of DDRR and top-loaded vertical antennas, had been suffering from frequent small strokes for quite some time. We will miss these gentlemen very much. A moment of silent prayer was observed for them at our January 26th meeting.

On Sunday, Nov. 19th, 1995, we resurrected our old QCWA Chapter 29 Net. It has met consistently since that date, on Sundays at 12:30 PM on 3900 kHz. We found a full hour time slot there, right between the Eastern NY Chapter net which meets at 11:30 and neighbors to the West, the Niagara Frontier Chapter net, which meets at 1:30 PM. This spot was located and monitored for some time by now SK W2UKA, and has proven to be an ideal arrangement except for those unable to make it home from church services in time to join us. We especially invite the member-at-large throughout the Finger Lakes area, including Rochester which has so many hams but no QCWA chapter, to join us in our weekly roundtable!

I was once the youngest ham in Chapter 29. Now my close friend John, N2LCX, has joined QCWA and becomes our youngest member. John has, among other talents, a strong background in computing, which will prove very helpful to our chapter members as they bootstrap themselves into the world of digital radio. To the astonishment of some in the traffic-handling world, yours truly has recently been given to abandoning the keyer and using one or more of the many Vibroplex bugs on the shack desk. The swing is unmistakable, but it is great fun to key at high speed "the old way". Alternating between bugs and the keyer has proven to be very awkward. My ultimate goal is to be able to send on the keyer using either hand. I'd be interested in hearing from those of you who have achieved this feat. My inspiration is local traffic guru W2FR, who despite a severe stroke, has almost fully recovered, and who can key very well with either hand.

Although many hams never use Morse after passing their exam, I feel it's made me a more disciplined overall ham operator. It is truly a language, and one which can break the DX language barriers in particular. The victory at WRC 95 of keeping Morse an HF rite of entry will be short-lived. No later than 1997 we will need to establish a national position on this issue in preparation for WRC 99. Think about this ... If Morse is no longer a testing element, will ANY new hams even consider trying it? I doubt it. If you would like information about an international society which is bent on preserving Morse as a ham language, feel free to contact me. On packet I can be reached as NY2V @ KB2DIO.NY.USA. In the interim I'll see if I can persuade the society to advertise in the Journal.

On behalf of our President Joe Molinaro, W2FUU and all the chapter members, join us on our new chapter net and at our luncheons. . . visitors ALWAYS welcome.

Fred Adsit, NY2V, Secretary/Treasurer

Chapter 38, San Antonio

We meet at 11:30 AM on the fourth Saturday of each month except in June and November when we meet on the third Saturday and in December when we do not meet. Due to conflicts with other amateur radio activities, the meeting date may occasionally be adjusted. We continue to rotate our meeting place among several local restaurants. For confirmation of the date, time and place of the next meeting, check into our chapter net on Sundays at 8:30 PM local time at 26.650 MHz. Gus Gikas, W5HRF, is net control.

On November 4, 1995, we enjoyed a joint meeting, equipment auction and covered dish luncheon with the Alamo DX Amigos, with whom we share a number of common members. Feedback indicates that it was a decided success with several suggestions that we do it every year.

Many of our members and their guests participated in the annual Amateur Radio Christmas Party on December 9, 1995, directed by the San Antonio Radio Club. A good time was had by all who attended.

At the chapter's combined regular and annual meeting on January 27, 1996, the 1995 officers, consisting of President Ray Wangler, W5EDZ, Vice President Gus Gikas, W5HRF, Secretary Jim Wright, K5CDT and Treasurer Ken Harwood, WA5QZL, were re-elected for 1996.

Jim Wright, K5CDT, Secretary

Chapter 41, Dallas

It is with regret that notice is given that chapter member Otto Arnquist, W5NT, became a Silent Key on December 24, 1995. Ott was a long time active member of the Dallas ham community and was very active in Chapter 41.

It is also with regret that we report that Walt Wiederhold, W5OGZ, longtime Secretary-Treasurer and Editor of the chapter newsletter, has retired to an out-of-state nursing home. Both of these gentlemen will be missed.

On a brighter note, mention is made that charter chapter member Gus Howard, W5KM, celebrated his 91st birthday on December 25th. In commemoration he and his wife Annie were flown to New York City, aboard the Chapter's Learjet, PocketRocket 41, where they were guests in Chapter's permanent suite in the Ritz Carlton.

Chapter 41, arguably one of the most affluent of chapters even by Texas standards, has consummated a long term lease with the British Government of a yacht formerly used by the Royal Family prior to budgetary restrictions imposed on the family by Parliament. The vessel, which has been renamed QR Mary (not to be confused with the RMS Queen Mary), will be registered in the Bahamas where it will be home-ported for convenience adjacent to the Chapter's vacation villa which is located near the Chapter's aircraft hanger and private runway.

At the most recent Chapter meeting an increase in dues assessment was discussed.

Bob Olney, N5NT, President

Chapter 45, Citrus

December brings two non-Christmas events to Citrus Chapter. First is the annual business meeting of the Chapter. New officers elected for 1996 are: Al LaPeter, Jr., WB4DRF, President; Bob Cumming, W2BZY, Vice-Pres.; Mort



Al LaPeter, Jr, WB4DRF (right) presents plaque to Ralph Woodward, Past-President of Citrus Chapter 45, in appreciation for his service.

Cohen, WA2ARS, Treasurer; and Paul Turner, W1DLP, Secretary. The newly elected President presented a plaque to Ralph Woodward, K5FFF in appreciation of his services to the Chapter as Past President.

The other annual event is the 'great' Central Florida "peel and stick" party. Each year Chapter members join members of LMARS, Lake Munroe Amateur Radio Society, to prepare flyers for the Orlando HamCation held during February in Orlando, Florida, hosted by the OARC, Orlando Amateur Radio Club. On December 9th about 40 hams, spouses, etc., met at a local school cafeteria. Boxes containing nearly 40,000 flyers were lugged in. The ARRL supplied "peel and stick" labels for all Florida amateurs, sorted by zip codes. The group broke up into teams and the labels are passed out, one zip area at a time, placed on the flyers, bundled to postoffice requirements, stuffed in mailbags for each zip area, tagged and delivered to a nearby postoffice. We finished just about noon and at that point a number of large pizzas appeared and everyone enjoyed a good lunch. Each ham in the group is given a ticket to the HamCation for services rendered. We have a good time getting together and doing a service to the fraternity.

The HamCation, one of the big hamfests on the East Coast, is the third weekend in February, located at the Central Florida Fairgrounds. Any visiting QCWA member can stop at the QCWA table manned by Citrus Chapter members and have an "eyeball".

The HamCation this year features exams, numerous forums, ARRL presentations, a mock-up of the new AMSAT Phase 3-D satellite, being built in the Orlando area. Hams can learn how their present equipment can be used with this newest 'bird'. Swap tables, the largest tailgate area in Florida, facilities for RV'ers. The ladies have not been forgotten, their programs will be held in their own air-conditioned building, with restrooms and a kitchen.

By the time this is printed the HamCation of 1996 will be a memory, but the folks that plan this yearly event will be busy working on a bigger and better HamCation in 1997. If we missed seeing you this year, we will look for you next time.

Citrus Chapter meets on the third Saturday of the month, except in February when we are at the HamCation, for luncheon at Stacy's Buffet, Wekiva Square, Altamonte Springs, Florida. Junction of State Routes 436 and 434. Our net meets Tuesdays, 1930 hours local on 147.195 MHz.

Paul Turner, W1DLP, Secretary

Chapter Reports, continued



Receiving Awards (standing) L to R: Wayne Flickinger, W5OEV; Bob Brady, WA4FTM; Bruce Montgomery, W4BFR; Marvin Ollendorf, W4HAH; and Bill Plage, W4DQT. Santa's Elves, L to R: Anna Golden and Jean Cushing. Photo courtesy of Jud Whatley, W4NZJ.

Chapter 49, Atlanta

Atlanta Chapter 49 held its annual "Christmas" luncheon and meeting at Morrison's Cafeteria, Executive Park, on December 9th. We enjoyed the largest attendance in some time and presented the largest number of operating achievement awards in several years.

The slate of officers for 1996 and 97 was presented and confirmed by the attending membership. Jud Whatley, W4NZJ, continues as our outstanding President. Continuing as Vice-President and Editor of an excellent newsletter is Frankie Womack, W4BJT. The new Secretary/Treasurer is Bob Brady, WA4FTM, one of our operating achievement award winners. Rounding out the slate are Executive Committee members Bill Plage, W4DQT; Marvin Ollendorf, W4HAH; and Phil Goodman, K4FXB.

Rounding out the festivities was the presentation of gifts by Santa's elves, pictured among the award winners.

Phil Goodman, K4FXB, Secretary/Treas.

CHAPTER 51, TEX-LA GOLDEN TRIANGLE

The November meeting was held at Dorothy's Front Porch, a popular seafood restaurant. The group was treated to a surprise appearance by a local barber shop quartet.

Glenn Tronstad, W5MSX, reported that the Houston Hamfest appears to have been successfully resuscitated and is still alive and well.

The December meeting was held again at Dorothy's Front Porch. Curtis Evans, WA5DBA, installed the 1996 Officers. Dee Evans, WA5BEU, will serve as president. Norman Helms, K5SAC, will serve as vice-president and Dub George, WA5BFF, and Mary Jean George, WB5FQX, will share the duties of secretary and treasurer.

The January meeting was held at the Beaumont Red Lobster restaurant.



Giant chocolate-chip cookie decorated with QCWA emblem.

Although Chapter 51 was chartered in 1970, it lay dormant for over 10 years until its reorganization in 1991. This meeting marked the 5th anniversary of Chapter 51's revitalization. During the past 5 years we have held a meeting each month with from 25 to 35 present. Our Monday evening net on 146.70 Mhz regularly has a dozen or more of our members check in.

President Dee Evans recognized past-presidents Phil Richards, K5INE, Glenn Tronstad, W5MSX, Curtis Evans, WA5DBA, John Lindell, W0YCY, Dub George, WA5BFF, and Tom Housenfluck, W5HYD. The group then shared a giant chocolate-chip cookie decorated with the QCWA emblem.

Dub George, WA5BFF, Secretary

Chapter 53, Suncoast

The Suncoast Chapter 53 held their January meeting at the Chinese Pavilion south of Sarasota. There were 20 members present.

Vice President John Karban, W3IGC, opened the meeting and said there was no report from the Secretary or Treasurer.

John said he had no report from the committee looking for a different place to meet so we would continue at the present place until further notice.

He asked again for a volunteer to the job as Historian and someone to take over the calling list for the Venice area. No one responded. John said that past Historian, Bob Bookwalter, W4NWF, had turned the book over to him. He congratulated Bob for his excellent book and thanked him for all he has done for Chapter 53. Bob thanked him and said he did not want to quit but his failing eyesight made it necessary.

Bob Bookwalter, W4NWF

Chapter 55, Wisconsin

Wisconsin Chapter 55 gathered at George's Wilson House in Port Washington, Wisconsin, for its annual Fall meeting Saturday, October 14. It was a typical Wisconsin Fall day with bunches of sunshine to bring out the colors of the leaves. And a few rain showers occurred to provide a little variety.

At the request of Chairman Ed Seruga, KE9JJ, forty members and guests observed a moment of silence in memory of past members. Then Verne Teske, W9RYA, gave the invocation.



(Left) Dick Scarvaci, K9CAN presented three certificates to his father, John, W9GIL. Photo by Les Peterson, W9YCV.

Following a delightful buffet dinner, the chairman had members introduce the guests they had brought with them. There was a warm welcome to returning member Tom Gettelman, W9IZO. He recently returned to the Milwaukee area having lived several years in Washington State. Herb Roehner, WA9UVK, a frequent visitor to Chapter 55 meetings, became a member. After that, there came the drawing for door prizes. The main prize was a beautiful artist's painting of the Port Washington area where we were holding this meeting. Orv Stewart, KA9ONQ, the painter's father, donated this limited edition painting (No. 15 out of 250 reproduced.) The lucky winner was Bea Krause, the wife of Jack Krause, W9JK. Dick Scarvaci, K9CAN presented his father, John Scarvaci, W9GIL, with three QCWA certificates. These were: Golden Anniversary-65 years, Century Club-106 years, and Continuously Licensed-66 years.

At this point, the ladies went to another area to play bingo and our business meeting began. The minutes of the June meeting and the treasurer's report received approval. Next came the election of three board members. Since no further nominations came from the floor, the nominees previously selected received a unanimous vote. These new board members are: Fred Linn, W9NZF; Ed Wille, W9PWG; and Verne Teske, W9RYA. Meeting briefly, the board elected these chapter officers with Verne becoming the new chairman and Fred Linn the vice chairman. The others continued in their positions as follows: Jack Krause, Secretary and Erv Froehlich, Treasurer. As board members we have: Ed Wille, Ed Seruga and for the program, Fred Linn spoke about and displayed several antique radios - one of which was a crystal detector - and publications from his collection. Fred is a member of the Antique Wireless Association who frequently attends their conventions and pays visits to the museums. So you know the members enjoyed this program.

As for the Spring meeting, the decision was to hold it on the second Saturday in June and someplace in the Waupaca area. Fergie, W9IEM and Erv, W9RZW, are to select a location.

Chapter 63, Central Oklahoma

The first quarter meeting of Central Oklahoma Chapter 63 was held January 6, 1996 at Ryan's Family Steak House in Oklahoma City. The main purpose of the meeting was to elect new officers whose terms will be for two years.

Those elected were, President: A.J. (Jay) Ingram, W5QVS; Vice President: Jackolyn Olsen, KA5ENU; Directors: George Lagaly, W5NTL and William (Bill) Williams, K5JVD. The undersigned would like to thank the outgoing officers: President Carol King, K5CPZ; Vice President Jim Jones, K5PER; Directors George Bunce, W5DKC and Willard Henderson, W5UZV, for their fine work for the chapter during their tenure of office and hope they will continue to be active in the Chapter. Officers continuing on in office for one more year are Norm Wilson, W5FLO, Secretary/Treasurer, Directors Jim Speck, KK5BX and Sam Gover, WA5WHO.

Our Chapter "on the air meetings" are continuing to grow, especially our Thursday evening net on the 145.41 repeater in Oklahoma City. The 145.41 repeater is maintained by one of our newest members, Ken Fields, K5VFN, welcome aboard, Ken. We invite all amateurs to participate in these nets and enjoy the comments of members and visitors checking in. Our Sunday morning net on 3856 (USB) has been having an average of 33 check-ins and we hope everyone enjoys listening to the latest ARRL Bulletins, announcements of upcoming hamfests, and other amateur events in our state and surrounding states.

Our January meeting was attended by 23 members and guests. We hope to increase our quarterly meeting attendance by having programs at future meetings. At our next meeting in April we are making arrangements to have a guest speaker to enlighten us on a subject of importance to all. Listen for more details on our "on the air meetings".

We would like to welcome the following new members who have joined QCWA and Chapter 63 last year, 1995: Ted Doty, AA5CK; Ron Tucker, K5IGB; Joe Buswell, K5JB; Clarence Supplee, W5LDF; John Fulcher, W5LII; Chuck Wilhite, K5NK; Jerry Kincade, WB5OIZ; Derryl Cantrell, N5TFC; Ken Fields, K5VFN; and Wibur Jones Jr., N5VHY. Also welcome back past members who have rejoined: Larry Watson, W5EIU; Bill Williams, K5JVD; and Robert Onspaugh, W5NTR.

Jay Ingram, W5QVS, President

Chapter 64, El Paso

The El Paso Chapter held its annual meeting on December 16, 1995, at Bucks Bar-B-Que with 21 members and 12 guests present. Christmas favors, made by our outgoing president's wife, Ofelia Carroll, decorated the tables. Door prizes were bags of pecans and fruits, given by George Nails and Bob Carroll.

New officers installed were President, Jean Carlson, KØZRD; Directors, Ed Corliss, K5DIT and Bill Raue, K5KKO. Officers continuing their terms are Vice President, John Dunsmore, W5DPT; Secretary/Treasurer, Manuel Gonzales, W2BFI; Directors Rick Rumbaugh, WA2PIE, and Dick Martin, K5LUG.

Bob Carroll, K5IE, our outgoing president, was presented a plaque in appreciation of his leadership for the past four years. The club's hosting the National QCWA Convention in 1994 was a highlight of his tenure. He also instigated holding annual picnics, which he generously hosted. Thanks for a job well done, Bob.

Chapter Reports, continued



L to R Chapter 64 Directors: Ed Corliss, K5DIT and Bill Raue, K5KKO: Vice President, John Dunsmore, W5DPT: President, Jean Carlson, KØZRD; Director, Rick Rumbaugh, WA5PIE; Secretary/Treasurer, Manuel Gonzalez, W2BFI; and Director, Dick Martin, K5LUG.

As we look back over 1995, we welcomed new member Earl Wood, WA5YRP; and fortunately had no silent keys.

At our October meeting, Millie Wise, W5OVH, gave an interesting report on her 2 month trip to South Africa. Her stepsons, who live there, took her to many areas of the country and she had a very enjoyable visit.

Chapter 64 meets on the 3rd Saturday of each month for a noon luncheon at Bucks Bar-B-Que at the corner of Dyer and Sanders streets in El Paso. Guests are always welcome and Quarter Century hams are invited to join our chapter.

Jean Carlson, KØZRD, President



President Rooney, W2AET (left) issuing Meritorious Award to Secretary Ken Palmer, K2FJ (right)

Chapter 65, Niagara Frontier

We were all saddened by the passing away of Bob Ward, K2PPK. A most friendly chap, he was a Chapter 65 Director. Bob was first licensed in 1935 as W8OMV.

The Fall banquet-annual meeting was held at Schettler's Restaurant in Elma. This year the Meritorious Award was given to Ken Palmer, K2FJ/ZB2G, Chapter 65 Secretary.

VP Tom Whalen gave an interesting talk on his AAF expe-

riences during WW II as a communications expert at Kunming, China (CBI theater).

Our Christmas Party was a fun time, with carols sung. Cookies were baked by several of the women. It was held at our new meeting location, the Flying Tigers Restaurant, right near the runway. The weather sure was frightful. Due to blowing snow the aircraft on the taxi lane were barely visible at times. Guests present were Bob Johnson, Bob Habermehl and spouses of deceased members.

Please join us at noon for lunch on the second Saturday of each month. Thanks to President Rooney, the super location is the AVG Flying Tigers Restaurant, next to the Buffalo Airport runway. It is at 100 Amherst Villa (off Aero Drive), Cheektowaga. Visitors welcome.

Ken Palmer, K2FJ/ZB2G, Secretary

Chapter 66, Spaceport

The Spaceport Chapter, in the area surrounding the Kennedy Space Center and the Cape Canaveral rocket launch facilities, has been active, involved and interested in QCWA and other amateur radio activities for more than twenty years. Our meetings are held on the second Saturday of the month at the Dixie Restaurant on US-1, Coca, starting at 11:30 AM.

Elections of officers for 1996 chose Art Greene, K4DQC for President; John Nauman, W9CN, Vice President; Bonny Lathen, WB9TUM, Secretary; and Bill Meussig, K4FD, Treasurer.

1995 brought a 50-year certificate to Penny Bowen, W4SLD. Bob Baird, W9NN, charter member of QCWA who usually visits us during the winter, could not make it last year but we look forward to seeing him soon. Sadly, Larry McGrath, W4MEN and Bill Vissers, K4KI, became Silent Keys during the year.

We look forward to a year of interesting, pleasant and friendly exchanges concerning our lives and the State-of-the-Art which have been the nature of our meetings for many years.

Art Greene, K4DQC, President

Chapter 70, National Capital

The last meeting of QCWA Chapter 70 was held at the Carlingwood Family Restaurant in Ottawa on November 15, 1995. This was the Annual Meeting night. Officers voted in for 1996 were: Jack Tennant, VE3AHZ, President; Bill Barrie, VE3AAS, Past President; Ralph Cameron, VE3BBM, vice President; Jim Dean, VE3IQ, continues as Director; Douglas Leach, VE3XK, as a Director; Keith Bedal, VE3GFI, re-elected as Secretary/Treasurer.

The speaker for the Annual meeting was Lt. Col. Steve Gagnon. Lt. Col. Gagnon is a project officer with the Canadian Land-Systems Communications project office. He gave us a most interesting illustrated talk on a new communication system for the Canadian Army.

We are saddened to report that three of our members became silent keys since our last dinner meeting in September, 1995.

* George Schuthe, VE3DMC, (QCWA #8774) became a silent key on October 26, 1995. George served in the Merchant Marine and in the Royal Canadian Navy during WW II. He first became a radio amateur in 1932 with the call of VE5GS -



Gerry Harbottle, VE3AGU (right), receives his 60-year Scroll and Pin from Chapter 70 President Bill Barrie, VE3AAS (left).

later changed to VE7GS. In 1972 George was licensed as VE3DMC - the call that he held until his death. George has a son, Duncan, VE3GXU, who will soon qualify for acceptance as a QCWA member. George took an active part in the National Capital Chapter. Over the years he has served as President, Secretary/Treasurer, and Historian.

* Bill Deacon, VE3UD, (QCWA #314537) became a silent key on November 1, 1995. Bill began his career in commercial radio operations. He served as a marine radio officer on several ships between 1930 and 1939. In 1939 Bill joined Trans Canada Airlines (now air Canada) as a radio operator. In 1933 Bill obtained his first amateur license as VE5KU in Vancouver. Since that time he has held call signs VE6FO, G3FFO, VE2KZ, VE3BRR, VE3BDO, and at time of his death, VE3UD. Bill was an avid QCWA supporter and had served as president of the National Capital Chapter 70.

* Thomas Walker, VE3PDJ, (QCWA #15484) died on December 14, 1995 after a lengthy illness. Tom began his professional career working for RCA Victor in Montreal. In 1953 he joined Canadair as a lighting engineer. Tom first became licensed as VE2BF in 1936. He obtained his present call of VE3PDJ when he moved to Ottawa, Canada, in 1985. Tom joined QCWA HQ while holidaying in Largo, Florida in 1981.

NOTE: Don't forget that Chapter 70 will be hosting the 1996 QCWA National Convention in Ottawa, Canada, on October 4 & 5, 1996. Look for a registration form elsewhere in this issue of the Journal. We'll be looking for you in October!

Keith Bedal, VE3GFI, Sec'y/Treas.

Chapter 73, Southern Ontario

The first meeting of the season for Chapter 73, Southern Ontario section, was held on May 13, 1995 at the Plainsman Restaurant near Hamilton, Ontario. Many members and guests attended; a total of 118, which was the largest attendance for Chapter 73 to date.

We were fortunate to have Croft Taylor, VE3CT, our new Canadian Director on the QCWA board address the meeting. At this time, Croft Taylor awarded special citations to three of our members: Stan Moir, VE3SM, 75 years; Jim Cooper, VE3CR, 72 years; Gord MacPhail, VE3IH, 65 years.

The interest and activity of our Chapter 73 members is in excellent shape.

Fred Hammond, VE3HC Secretary/Treasurer



A table at one of the Chapter 81 meetings.

Chapter 81, Long Island

On December 14, we held our bi-monthly dinner meeting, which in this case was our Holiday Meeting. The restaurant was festively decorated and the chapter contributed a judicious amount of libation to further along the holiday spirit.

We had our usual giving out of door prizes and also the election of officers for the year 1996. There was no opposition and all but one position remained the same. The officers are: Pres. Kate Sol, AE2Z; Vice Pres. Charles Baker, W2KTF; Secretary; Herman Milatz, W2TLC; Treas. Hugo Landerer, W2IGH; Directors are: Al Bockelman, K2ES; Sid Wolin, K2LJH; Andrew Cola, W2VZQ; Marty Miller, NN2C; Carroll Hamlet, W2QBR.

During the evening we were entertained by a fellow member, Jerome Schatz, W2MFW, who in his distant youth was a member of the original "Our Gang" and the "Rascals" of early movie fame. He showed many slides of various child actors with whom he was involved, as well as photos of him in the company of many already famous stars. Interspersed herewith he kept up a continuous monologue, talking about the atmosphere around the lot and the stars with whom he played....

Needless to say, the meeting was a great success.

H.F. Milatz, W2TLC, Secretary

Chapter 87, Evergreen

Since the deadline falls on the same date as our auspicious Summer Picnic, will have to report on that event down the line.

This year's picnic is combined with our Twentieth Anniversary Celebration. Many things are in the mill to make this a gathering to remember. Those members who founded Chapter 87 and are still around will be recognized. It's unbelievable how many have left us in this brief period but their memories still abound with us.

Our "Can't Stay At Home" members are still out and about. Gerry, W7PCP, is out with his XYL in their motorhome and last contact we had with him was from South Dakota as they headed for Wyoming on their way home. Good signal from

Chapter Reports, continued

his mobile on 75 meters.

About the time Gerry will be near his home base our wandering retiree, Don, W7ZNN, will be enroute to Hawaii again to look around. Not quite sure what he will be looking for but we will expect a full report on his return.

Many of the members of our Chapter were hard hit by a very heavy windstorm and thunderstorm the first week in July. W7HGO tells about the trees being topped from the storm. W7ENQ had a near miss with a lightning strike about a quarter mile from his house. No ham damage but apparently the cable system invited part of the strike into the house and his TV gobbled up enough to knock out some of the set.

Besides hamming many of our members engage in gardening. One of those is the old Judge, Bill, W7GHT. He told us on net the only way to get your tomatoes to pollinate is to "shake the daylights out of the blossoms." He swears it will work but also suggested you do this chore in the dark when the neighbors can't watch you. So fellow QCWA members, there's your gardening tip presented at no charge.

Here's the story of the month for this issue. We picked this off our every Sunday net. Seems that Annie, the XYL of Scott, KB7TA is a very good needleworker and enjoys doing cross stitch. They also have a noisy little kitty-cat who likes to get into Annie's work. So recently she jumped onto Annie's lap, grabbed the needle and thread, and ran as only cats can run. They searched and searched and couldn't find the needle and thread. Finally a short amount of thread appeared to be hanging from the cat's mouth. No chance to catch and remove. So for the next several days, Scott and Annie became litter box watchers. . .if you can imagine following a cat everytime it headed for the cat-john. Anyway, finally after many days a needle and a length of thread appeared in the box! Their ordeal was over, except for figuring how on earth a cat could swallow and pass along such an item! Any of you folks out there have a good idea as to how this could happen??? Only a ham could provide such a story.

Our good friend, Bob, WU7J, who lives in Egypt (no, it's not the country, but a small section of land in north Washington State) reports that he has been keeping busy baling hay and getting it in the barn. He did have time to take a short trip to a small town on the Columbia River and while there purchased a rather rare tree called a Ginkgo.

All of us out here in the Great Northwest send our best wishes to the rest of you around the country.

Al Cutting, W7ENQ

Chapter 91, Vic Clark

Meetings: Neighbor's Restaurant, Cedar Lane and Park Street, Vienna, VA; third Saturdays; 11:30 AM.

Business/Program Meetings: Odd-numbered months. (Come at 11:30 to chat; program begins promptly at 12:00 Noon.)

Informal/Ragchew Meetings: Even-numbered months.

Newsletter: Bi-monthly to all chapter members.

Information: Dick Rucker (KM4ML), Secretary; 10426 Darby St., Fairfax, VA 22030-3603; 703-591-3279. Also on the VHF net.

VHF FM Net: Sunday 9 AM, 146.79 MHz

Annual Holiday Luncheon. The Vic Clark Chapter of QCWA held its tenth Annual Holiday Luncheon on December 2, 1995, at the DoubleTree Hotel at Tyson's Corner. Fifty-six people—members of several QCWA chapters, Society of Wireless Pioneers (SOWP) Chapter 10, and guests attended this social event for its celebration and fellowship. After the initial schmoozing, Granny Klink (W3AFV), President of Chapter 23, offered the blessing for the meeting.

Outgoing President Jim Wilcox (K4JAP), emcee for the fete, asked the group how the meal was. The result was a round of applause for the chef (the food was REALLY good)!

Jim announced that each QCWA chapter was permitted by National Headquarters to present one—only one—QCWA Meritorious Service Award each year, and that the officers had chosen to honor a member who has performed outstanding service for QCWA for many years. He said that the presentation would be made by another of our distinguished members. Ethel Smith (K4LMB) and Jack Kelleher (W4ZC) were called to the podium.

Jim had made arrangements with Jim Walsh at QCWA HQ to "borrow" ahead on our 1996 award so TWO awards could be presented this year. He earlier had told both Ethel and Jack that they were to make the presentation to the other (but, of course, did not tell them that they also were to be a recipient). Those who knew about this were waiting for some stammering and confusion. The disappointment was that Ethel and Jack, professionals that they are, didn't miss a beat.

When they realized what was happening, they made the presentations to each other just as if they had rehearsed it! A list of accomplishments and contributions made by these two would require an extra edition of the QCWA Journal. Some highlights are: Ethel has been General Manager of national QCWA (1974-1976) and held almost every office; she founded the Young Ladies Radio League (YLRL) in 1939 (eight years before QCWA was founded); she received the Dayton Hamvention Special Achievement Award in 1984 and the Roanoke Division Service Award in 1972; she was editor of Auto Call for 11 years and has been a columnist for Worldradio.

Jack currently is VP of QCWA national and is "heir apparent" to the QCWA presidency; he is President of SOWP; he has served as U.S. delegate to over 20 ITU and CCIR meetings and is U.S. chairman of U.S. CCIR Group 8E (Amateur and Amateur Satellite Service); he writes a column on FCC happenings for the QCWA Journal, for Auto Call, and for Worldradio.

Tony Stalls (K4KYO), President-elect of the Vic Clark Chapter, then had his chance to present surprises: He and the other newly elected officers, Frank Haynes (W4NUA), Dick Rucker (KM4ML), and Al Wheeler (WB4JJJ), had designed a beautiful certificate for honoring chapter members. Tony presented awards to Jim Wilcox, Lew Bradley (W4SWP), and Carl Gray (W4ACM). Jim has served for two years as President, Lew for six years as Secretary, and Carl for five years as Treasurer.

The assembly thanked the outgoing officers for their work, and welcomed the new officers. Jim then introduced our special guest, the highlight of the day, Santa Claus (who remarkably resembles John Swafford, (W4HU)). Santa presented several Ham Radio gifts donated by Ham Radio Outlet (HRO) of Woodbridge, VA and Electronic Equipment Bank (EEB) of Vienna, VA. Recipients of these door prizes were: Granville Klink (W3AFV), ARRL World Radio Map; Ray Johnson (K5RJ), ARRL Antenna Handbook, 17th edition; "Bix" Bixby (WA3WQF), ARRL Extra Class Study Guide; Norm Heck

(W3NN), CQ Magazine Ham Radio '95 Almanac; Nelson Seese (W4BHD), ARRL FCC Rule Book, latest edition; Bob Scott (AC4QO), KBIT DXer's World Guide. Many thanks to HRO and EEB from QCWA and SOWP!

Santa also distributed many other fine gifts to other good little girls and boys. These included numerous beautifully handcrafted items made by members of the Vienna-Falls Sweet Adelines Chorus, and some beautifully machine-crafted Federal Reserve Notes made by the U.S. Bureau of Printing and Engraving. Almost everyone received a gift! The cash winner of the big 50-50 drawing was Bruce Green (W3IR), who walked off with enough money to make his trip from Edgewater, MD, really worthwhile! (Bruce: the IRS has been notified.) This was an event enjoyed by all—good fellowship, good food, many gifts, and an attractive and relaxing atmosphere. Keep this event in mind—we hope to see YOU there next year!

January Meeting—The New Crew Takes the Reins. Tony Stalls (K4KY0), as new Chapter President, welcomed twenty members and four guests to our January, 1996, meeting.

Tony and his officers Frank Haynes (W4NUA), Dick Rucker (KM4ML), and Al Wheeler (WB4JJJ) are off to a running start! After a discussion of the pros and cons of Chapter finances, particularly about how we subsidize our Holiday Luncheon, produce a large newsletter, and donate money in several ways, the membership unanimously agreed to raise our annual dues rate from six dollars to ten dollars beginning in 1997. The Chapter Life Membership fee will go from \$50 to \$100.

Larry Parfitt (KS4KW) won \$16 in the 50-50 drawing and promptly donated it back to the Chapter. Larry regularly attends our meetings and makes frequent donations, although he does not yet qualify for membership. Thanks so much for your support, Larry!

Dick Rucker (KM4ML), our new Secretary, provided information about his computerization of the Chapter database.

Dick is able to extract much information by various sorting and selecting techniques (and other computer guru kinds of things).

In addition to members, Dick has included such categories as people who receive complimentary copies of the newsletter.

Jack Kelleher (W4ZC) reported on FCC happenings. He noted that considering that a future WARC may decree that CW is no longer required for an Amateur license, we need to be thinking about (a) how to ensure that CW remains a viable means of communication, and (b) what licensing requirements will replace the CW requirement. Another area of interest and involvement for us is the interests of Amateurs, the FCC (specifically, spectrum auctioning), and commercial broadcasters in the 40M band. Jack also discussed the advantages of our using spread-spectrum technology as a means of band sharing.

Brad Flippin (K6HPR) suggested that we have a booth at the Fairfax County Fair. The purpose would be to acquaint people with the broad range of interests and capabilities of Amateur Radio. This event would be just before Field Day, and we could invite Fair visitors to come to our Field Day operation to see Ham Radio in action.

Lew Bradley (W4SWP) displayed and explained a WWII spy radio station built into a suitcase. It was complete with a wide range of plug-in coils for bandswitching, and a reel of black antenna wire. Stories of James-Bond-like adventures abounded.

The auction brought in \$101! This, plus the take from the

50-50 drawing, added \$143 to our coffers. Our Treasurer, who has been mopping his brow for two months because we subsidized the Holiday Luncheon, briefly smiled (albeit only slightly).

Thanks so much to Al Wheeler (WB4JJJ), Carl Gray (W4ACM), and Jack Kelleher (W4ZC) for donations of auction items.

Jim Wilcox, K4JAP, Corresponding Secretary

Chapter 92, Northern Lights

This is going to be a very brief newsletter. Unfortunately the only news we have is bad news. I'm sure most of you have heard the terrible story of the bear attack that resulted in the deaths of Marcia Trent and her son, Larry Waldron. John Trent, KL7DG, was one of the founders of our QCWA Chapter, and he and Marcia have been active in the Chapter from that day on. John, we feel and share your loss.

Larry Plessiner, AL7LW, Secretary/Treasurer

Chapter 95, Eastern New York

The year 1995 was great for the Eastern New York Chapter of the QCWA. Each month a luncheon was held at the Glenville Queen Diner. On Sundays a SSB net was held on 3900 kHz at 11:30 LST. Best of all our Annual Dinner was held in May at Veeders Restaurant with all the extras.

It is with great sadness that we report the passing of Chapter 95 member Bernice Hanrahan, W2UGY, QCWA membership number 13,907. Bernice and her husband, Leo, had their QSL card published in the current winter issue of the QCWA Journal.

As this is written, January is giving us cold temperatures and lots of snow, just right to enjoy a log on the fire while sitting in the easy chair operating the ham rig. The low bands have been noisy and participation in the evening QCWA CW net is difficult. It is noted that WB1M, WA2QCY, and KJ2T, have checked into the CW net during 1995.

When this is being read, I will be attempting to fulfill my New Year's resolution to move my longwire antenna out of the tree limbs, which seem to bother receiving at times. If chapter members are interested, an extra monthly luncheon will be held in the Central New York area for an eyeball QSO with K2YGF. It might even be a tailgate picnic at some park. Sounds like fun.

Dick, KJ2T, Secretary/Treasurer

Chapter 98, Dogwood

Our annual meeting was held at ABC Restaurant, Saturday, June 3, 1995.

President Tom Clark, VE7TE, called the meeting to order at 1245 PDT. He called for three minutes silence to remember our recent Silent Key's Wilf Moorhouse, VE7US, and Russ Mac, VE7OR, and also past members including Kenneth Schop, VE7AHN.

I made several phone calls to our members including Bill Rievley, VE7CGI, in Powell River. He was going on a forty mile walk at Port Albernie. Bill was licensed in 1932.

Ernie, VE7FB, Secretary, read the minutes of General Annual Meeting for 1994 and was questioned on the donation

Chapter Reports, continued

made to the Antique Radio Museum.

Report from Dave Gilmore that our old Silent Key Plaque has been refurbished and is now on display at the Antique Radio Museum. Dave also has purchased a new plaque with the recent silent keys.

New Business

President Tom Clark called for election of new officers for 1995/96. The present officers agreed to stand for another term of office.

They are:

President, Tom Clark, VE7TE

Vice-Pres, Edna Savage, VE7SH

Secretary, Ernie Savage, VE7FB

Treasurer, Dave Gilmore, VE7YG

Good and Welfare, Mrs. Gladys Clark

The Interior Director, Richard Williams, VE7RP

The Islands, we are requesting a volunteer from the Islands.

Motion by Allan Venning, VE7LL to move that all actions of the previous executives be ratified. Seconded by Allan Vennig, carried.

Mr. President asked for a show of hands for breakfast or lunch. A brunch has won.

There being no further business the President called for an adjournment.

Ernie Savage, VE7FB, Secretary

Chapter 105, Middle Tennessee

The quarterly meeting was convened on November 11, 1995, at 12 noon at Ryan's Family Steakhouse in Hermitage, TN.

The election of officers for 1996 was as follows: President, Don Perry, K4EZS; Vice President, Charlie Wolf, AC4AW; Secretary, O. D. Keaton, WA4GLS; and Treasurer, Milton Fanning, WA4GZZ.

The annual Chapter dues were reviewed, the decision was to retain the \$10 annual fee; for new membership, the annual fee is due with membership application.

Don Perry won the Chapter's Letterhead contest, the prize for which was one year's free membership.

The meeting of the Board of Directors produced no changes of the chapter's directions, it was believed that the present operations are adequate for the present.

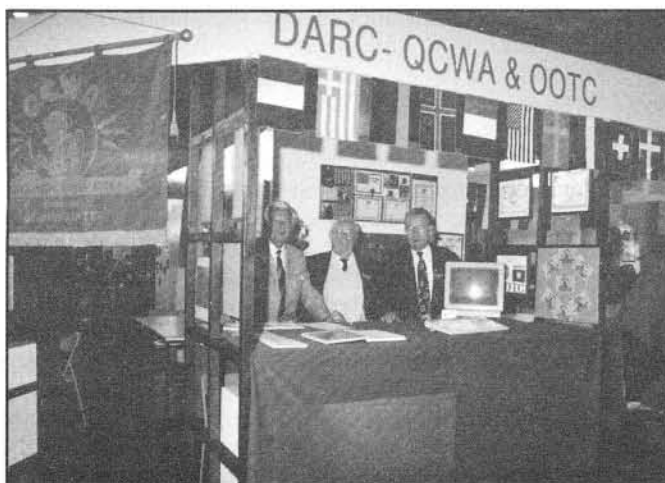
The group extended their appreciation to the 1995 officers for their leadership this year.

Our average attendance at the quarterly meetings is about 50% of the membership. Those members who do not attend the regular meetings and the weekly QCWA net are missing some good fellowship. Let's put the meeting dates on our schedule and make 1996 a good year.

O. D. Keaton, WA4GLS, Secretary

Chapter 106, German

The German Chapter presented the QCWA at the big ham exhibition in northern Germany, the INTERADIO '95, held on October 21 and 22, 1995, in Hannover. Many radio amateurs called at the booth, even not eligible for QCWA for not having a license longer than 25 years, but we could also win new members for the QCWA and our Chapter.



Chapter 106, German Chapter presented the QCWA at the INTERADIO '95 in Hannover together with the OOTC

A meeting of the German Chapter 106 was held at 11:30 AM, on October 21, 1995, with the attendance of 16 members. In this meeting the Meritorious Award Certificate was presented to Ludwig Gruenberger, DL6KQ, for his outstanding work as former President of the Chapter. The annual meeting for 1996 will be on May 10, 1996, in Berlin.

See you at the next yearly meeting in Berlin and Friedrichshafen.

Werner Lembcke, DL1ZC, Secretary



Chapter 107 officers for 1996. Left to right: Vice-Pres, W4LHP; President, W2HGV; Treasurer, W4TIC and Secretary, K8YGH.

Chapter 107, Central Florida

It is with sadness that I write this report. Chapter 107 has lost another of its founding members. Charles Chapman, W4SVB, became a Silent Key on July 11, 1995. Charles was a Mining Engineer and retired from Mobile Chemical in 1973. He also was a past President of our Chapter, and has also served as Vice-President, Secretary and Treasurer. Charles will be missed by his family and many radio friends.

As I write this report I find it hard to dig up any news. As many of you know the summer time is a slow period for us. I guess for all the Chapters in Florida. Many of our members go

to cooler climates for the summer. We look forward to having them back in the Fall so we can get our Fall programs going.

I would like to invite all amateurs to look for us on 14.245 on Thursdays at 12:30 AM, EST. Our Saturday net on 7.243 at 9:00 AM, EST, is well attended by club members. John Spark, W4LHP, runs these nets and invites all amateurs to join in the fun.

Chapter 107 meets the third Saturday of every month at 11:30 AM EST at Stacy's Buffet, 4320 US Hwy 98 N, Lakeland, FL. (one mile of I-4)

Jay Hitchcock, K8YGH, Acting Secretary

Chapter 123, Lee DeForest

Chapter 123, the Lee DeForest Chapter, will be sponsoring a QCWA Luncheon June 1, 1996, in conjunction with the ARRL Midwest/Dakota Divisions Convention, to be held at the Marina Inn, South Sioux City, NE, with Hamboree 18, May 31 and June 1, 1996.

This is probably the first time two ARRL Divisions have held a joint convention. This is a complete convention with dinners, luncheons, seminars, exhibitors and flea market. Rick Palm, K1CE and Bill Kennamer, K5FUV, from ARRL Headquarters will be there. Gary Harrison, WAØRWS, QCWA Director will participate and Leo Meyerson, WØGFQ, will have his famous sing-along.

All QCWA members and friends are invited to the Saturday, June first luncheon. For further information contact Al Smith, Secretary Chapter 123, WØPEX, 3529 Douglas St., Sioux City, IA 51104. (712) 258-7475.

Chapter 126, Piedmont

On December 9, 1995, QCWA Chapter 126 held its annual Christmas party at noon at the Mid-Pines resort in Southern Pines, NC. President, Walter D. Van Gieson presided. Thirty-four members, their wives, and guests attended. A very fine meal was enjoyed by everyone.

The nominating committee presented its slate and the following were elected by unanimous vote:

President: William R. Hutchens, KM4UO

Vice-President: William M. Wray, K4BPH

Treasurer: Charles H. Brydges, W4WXZ

Secretary: Henry J. Elwell, Jr., N4UH

Directors: Walter D. Van Gieson, AB4DQ

Edward L. Naher, K8YFR

A. Harvey Adams, W1YJ

After the meal and business meeting, a very enjoyable singing session was conducted by our member, Weldon C. Fields, W4AJT, while his XYL played the piano.

Wilbur D. Fulton, W2SE, Secretary

Chapter 128, Pelican

At the December meeting of the Pelican Chapter, the "Phil Stern Award", was presented to Blanche Randles, W4GXZ. The Stern award is the highest commendation that the Pelican Chapter can give to its members. Blanche was given this plaque for her dedicated service to the Pelican Chapter, other Chapters to which she belongs, and for her work in behalf of the National QCWA. Blanche was a Charter Member of the Pelican Chapter. Blanche chaired the organization that



Blanche, W4GXZ, with the Phil Stern Award Plaque.

wrote the By-Laws, which perpetuate the life of our Chapter. She was elected Chapter President for 1991, and served as a director for the years of 1992, 1993, 1994 and 1995. For many years she was our "Designated Member" pinch hitting as Secretary Treasurer, as well as volunteering whenever a job needed to be filled. She has served many times as Pelican 2-meter Net Control Operator, and continues to be active on both HF and VHF frequencies. Blanche Randles is QCWA's, and the Pelican's, Number One Cheer Leader! On the National Level, W4GXZ heads the internationally acclaimed QCWA Journal Audio Tapes for the Blind Program. She has worked on several QCWA National Conventions and has written the "Rule Book" on conventions. In recognition of her devotion and service to the Pelican Chapter and to Quarter Century Wireless Association, and her untiring effort in advancing amateur radio in general, it was our privilege to have designated Blanche Randles, W4GXZ, for the 1995 Phil Stern Award.

The Officers of the Pelican Chapter for 1996 were elected in November and installed by Dave Stocky, K4KE, at the December meeting. Our President for the ensuing year will be Alan Pickering, KJ9N; Vice President, Buddy Morgan, WA4OMG; Secretary, Jay Strom, K9BSL; Treasurer, W4PCO; Directors: Blanche Randles, W4GXZ; Eli Nannis, K4JMH; Ralph Luedke, K9MOR; Jarvie Mullins, WA4GJH; and Wesley Randles, W4COW.

The Pelican Chapter also wishes to congratulate the new Sun City Florida Chapter. Several of the Pelican members were in attendance at the Sun City meeting on January 11th. The Sun City members were invited to join in with the Gators and Pelicans on the regular Saturday morning nets at 09:00 and 10:00 local time on 145.29 the QCWA repeater.

Jay Strom, K9BSL, Secretary

Chapter 137, Shenandoah Valley

Meetings: Third Wednesday of odd-numbered months, at 12:30 PM; Carper's Valley Golf Club, 1401 Millwood Pike (Rt 50 East), Winchester, VA; reservations requested. Information: Perry F. Crabill, Jr., W3HQX, (540) 662-7526. Mailing Address: 225 Milam Dr., Winchester, VA 22602

Chapter Reports, continued

Seventeen members and guests attended the meeting of QCWA Chapter 137 at Carper's Valley Golf Club on Route 50 east of Winchester, Virginia on Wednesday, November 29, 1995. This meeting was originally scheduled for November 22, but was postponed because of unsafe driving conditions on that day. A social period at 12:30 PM was followed by a buffet luncheon at 1:00 PM.

The business meeting that followed was opened at 1:33 PM by Vice-President John Kanode, N4MM, due to the illness of President Walter Johnson, WA4HVV. Self-introductions of everyone present followed; Tony Stalls, K4KYO, President-elect of Vic Clarke Chapter 91 in Northern Virginia, was the guest of member John Swafford, W4HU.

Secretary/Treasurer Perry Carbill, W3HQX, read the minutes of the September 19 meeting; these were accepted as read. He also reported a balance of \$147.23 in the treasury.

Perry said that Walter Johnson was now at home, after being hospitalized a week with a serious case of pneumonia. Charles Curtis, K4LWG, was still in the Winchester Medical Center under treatment for a heart ailment. It was understood that Nathaniel DeGutz, W2CXB, continued to be hospitalized for depression after suffering a mild stroke; however, no recent news was available about his condition. Fred Holt, K2EZY, was at home recovering from surgery and unable to drive for several weeks.

Guy Black, Chairman of the Nominating Committee, offered the following slate of officers for 1996: President, Walter Johnson, WA4HVV; Vice-President, Charles Anderson, NF3X; Secretary/Treasurer, Perry Carbill, W3HQX. There were no nominations from the floor; Toy Cartier, K4AC, moved that nominations be closed and a unanimous ballot be cast. The motion was seconded and passed without dissent.

John Kanode reported on ARRL and FCC matters; there was not much change from the last meeting's report. The vanity call sign proceeding was still on the desk at the FCC. The Gettysburg licensing facility was shut down, along with other Federal agencies, during the recent budget stand-off.

The ARRL Board will meet in Atlanta in January with new officers; matters to be discussed include a restructuring of the Headquarters organization. Recent ARRL publications are "Your Ham Antenna Companion", especially for the beginner; "Vertical Antenna Classics", and "The ARRL Handbook - 1996", with PC software on a 3.5-inch disk.

Tony Stalls reported his understanding that the FCC was holding up on vanity calls because of threatened court action by amateurs dissatisfied with certain details of the proposal. Guy Black called attention to the article about restrictive real estate covenants against antennas in December's QST; it was written by Chris Imlay, N3AKD, ARRL General Counsel. John Swafford attended the QCWA Convention in Manchester, New Hampshire; National dues will be raised from \$15 to \$20 per year, effective January 1, 1996.

John Kanode gave an overview of the International Amateur Radio Union's Region 2 General Assembly meeting held in September at Niagara Falls, Canada, ending on September 29. A more detailed report will be found in the December 1995 QST on page 94. Each country in North, Central, and South America was entitled to send a representative or designate a proxy. The first day had speakers from Canada, the host country, along with the International Telecommunica-

tions Union, addressing the group. Committees were also appointed and met for the next two days. John was on committee B, HF and Technical Matters.

Proceedings were conducted in both Spanish and English, with simultaneous translation available. A free day allowed conferees to do sightseeing in the Niagara Falls area, which has many attractions for tourists. Friday was the last day for voting on committee recommendations. The 40 meter band plan was a problem because of the wish of some groups to allow SSB operation all the way down to 7.000 MHz.

After John answered some questions about the conference, the meeting adjourned at 2:41 PM with the announcement that the next Chapter 137 meeting will be held on January 17, 1996, at Carper's Valley Golf Club.

Perry Carbill, W3HQX, Secretary/Treasurer

Chapter 138, Central New Jersey

The 1995 4th quarterly meeting of Chapter 138 was held at Howard Johnson's Restaurant in Middletown, New Jersey. After lunch the meeting was called to order by President Bob Buus, W2OD, with the pledge to the flag. The meeting started with an introduction of all the members and their XYL's. There were 18 members present. Bernie Ricciardi, WB2EJT, presented the secretary's report with the minutes from the previous meeting. Leta Ladd, WA2QCE, presented the treasurer's report. Reports were accepted as read.

The Health and Welfare report was given by Phil Petersen, W2DME. It was learned that Walter Prang, W2HOZ, is at home recovering from a heart procedure and is doing well; John Mulhern, N2GOF, who is 90 years old, is getting along fine. John has his ups and downs, but he still stays active in ham radio and meets with the boys for lunch at Denny's for his usual Grand Slam. Ira Myers, W2SVY, is bedridden but his spirits remain high and he says hello to all the members.

Jerry Havel, W2RRX, who was a Chapter Trustee and a very active participant in Monmouth County ham radio activities, moved to Springfield, Missouri. He sent a letter to our president, Bob. Jerry's doing well, but it sounded like he misses us. The hams in Springfield are gaining a very active and wonderful person. The chapter wishes Jerry the best of luck.

Bob also gave a rundown of the recent hamfest. He said the event was successful and was well attended. Bob appointed Joe Dreifuss, WA2GSY, as Chairman of the Membership Committee; Phil Petersen as Chairman of the Activities Committee; Bernie Ricciardi as Chairman of the Parliamentary Committee; and Walter Prang as a Chapter 138 Trustee.

Joe Strockbine, W2KCO, and W2DME gave a report on the "Change the Name" Committee. The committee met to consider honoring Marconi by using his name for our chapter. It was decided to continue looking into the matter. At the next meeting, a report will be presented to include a cost estimate. The matter then will be considered for a formal vote.

A slide presentation was made by Joe Strockbine of pictures that he took at the AWA convention in Bloomfield, NY, in September. Featured were many pictures of early Marconi radio equipment that was on display during this convention. Keynote speaker was Marconi's oldest living daughter, Gioia; Joe had a tape recording of some of her comments. Special thanks to Joe for preparing this program. We now have a better appreciation of what it was like at the AWA convention.

Bernie Ricciardi, WB2EJT, Secretary



QCWA Chapter Service Award recipient, Walt Hayward, KØPLD (center) is flanked by fellow chapter charter members Roger Cozens, WØDWE; Clyde Glass, NØCG; Cliff Baker, WØITD; and Sam Selders, WØHJX.

Chapter 143, North Colorado

E-Mail Supplements Ham Radio

As chapter members seek warmer climes, cold weather, or the possibility thereof, takes somewhat of a toll on participation in the North Colorado Chapter winter activities. Snowbirds traditionally flee to warmer climes, where they become temporaries in places like southern NM, AZ, CA and others.

Among the Chapter 143 snowbirds are: Bobbi, KBØBVB, and Dale, WZØF, Lindquist; Jack, W5MCG, and Betty Wheeler; Mitch and Neola Mitchell; and Sam, WØHJX, Selders.

The good news is that a new phenomenon has recently emerged which keeps the relationship from becoming completely severed: E-Mail! Seems it is quite possible to teach old dogs new tricks. Supplementing ham radio skeds and nets with such readily attainable cyber-systems as America On Line, Prodigy and Compuserve, they stay in touch. What an age of communications progress we have witnessed!

Long-time member Gene, WØAGU, and Marge Worth have, alas, carried out long-standing plans to move to more relaxed living conditions in a senior townhouse complex in Boulder, Colorado, still well within two-meter repeater range. Also departing our scene, under more permanent conditions, is Dick, (WØPQZ) and Diane Lyons, who did what many must have considered, sold the old homestead and invested in a monster fifth wheel for the purpose of seeing more of this great country.

Most important event in the chapter's recent history was the awarding of our 1995 QCWA Certificate of Appreciation, to Walt Hayward, KØPLD, for his on-going services to the chapter. He even serves as the chapter's nominating committee where he annually, or biannually, coaxes, cajoles, finagles, and even sweet-talks members into running for offices, usually unopposed. They say 10 percent of the members do 90 percent, and Walt deserves praise for being a large percentage of that 10 percent.

Next chapter event will be its annual (February 10, this year) Valentine/Sweetheart luncheon at one of north Colorado's best restaurants, Jay's American Bistro. Wives of

chapter members who have joined the ranks of silent keys will be guests of the chapter. Entertainment will be furnished by one of Denver's well-known specialty singer/musicians, Roz Brown, WØNBG. Roz plays and sings everything from old sea chanties to folk tunes at Denver's Buckhorn Tavern - a special landmark of that city.

Chapter 144, Long Beach

Long Beach Chapter 144 held the normal Quarterly meeting on December 2, 1995 at Denny's Restaurant, 4232 Katella, Los Alamitos, CA. Chapter 144 holds a lunch meeting on the first Saturday of the last month of each calendar quarter. The 1996 meetings are scheduled for: March 2, June 1, September 7 and December 7. We normally start gathering about 11:30 and order from the menu about 12 noon..

For our December meeting we had 28 members and guests in attendance. After electing officers for the coming year we were treated to a video, The Best of Johnny Carson's Practical Jokes.

Officers elected for the coming year are:

Joe Provenza, W6UPN	President
Richard Sams, WN6B	Vice-President
George Riggins, WA6DZR	Secretary
Bob Buhbe, AA6HV	Treasurer

Further information regarding Chapter activities can be obtained from any of the officers listed.

George Riggins, WA6DZR, Secretary

Chapter 149, Nutmeg

The regular quarterly meeting of the Nutmeg Chapter was held on November 11, 1995, at Anthony's Garden in Meriden, Connecticut, with 82 members and guests in attendance. Following the luncheon the meeting was called to order by President Bill Kenefick, AD1L.

New members present, Thomas V. Evans, WIJC, Simsbury and Russell V. Lewis, W1PMB, Old Lyme were introduced and welcomed to the Chapter.

Reports were made and accepted by Treasurer Milt Chaffee, W1EFW, and Secretary Don Steele, W1NFG. The President noted with sadness that Harold Nash, WE1K was a Silent Key and extended condolences to Cletus Dunn, W1DIT, on the loss of his wife, Violet.

A certificate of appreciation from National QCWA was presented to the Chapter for its participation with other New England Chapters as a host chapter for the 1995 National Convention held in Manchester, New Hampshire, on October 13 and 14. A certificate from the Board of Directors QCWA signed by Lew McCoy, W1ICP, was presented to Gladys Chase, W1VPF, for her outstanding performance as Chairman of the 1995 National Convention Committee. The contributions of the many members and spouses to the success of the convention were recognized.

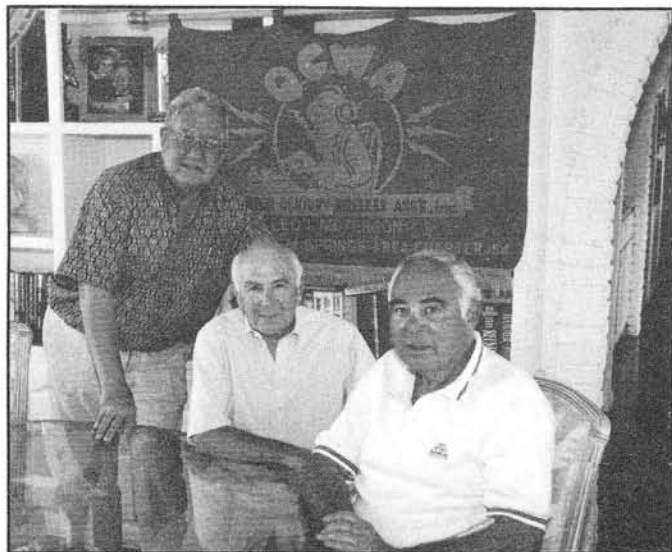
Al Cohen, W1FXQ, introduced the guest speaker, Cathy Miller, Manager of the Meriden Medicare Customer Service Facility, and her associate, Loretta Juneau. Cathy presented a comprehensive view of the Medicare program and the internal workings of this health insurance function. Many timely questions and concerns were answered following the presentation.

Chapter Reports, continued

A nominating committee was formed with Al Cohen, W1FXQ, Chairman; Cal Bennett, W1KHL, Milt Chaffee, W1EFW and Charles Griffen, W1GYR as members.

Cal Bennett, W1KHL, Activities/Net Manager reported the illness of the wife of John Savonis, W1DBS. He also noted that attendance on the Nutmeg Chapter Net, Sunday 11:30 on 3923 kHz was increasing. Cal announced that the next meeting would be February 12, 1996, in Southington.

Wayne Shaffer, W3QAN



The core leadership of Chapter 154: standing, Don Doughty, W6EEN, President; Center, Sid Rose, W9VKC, Net Control; and foreground, Bob Rose, K6KRZ, Vice President.

Chapter 154, Leo I. Meyerson Greater Palm Springs Area

Chapter 154 started off its regular monthly luncheon schedule in October with some 30 plus members and guests at the Sunset Inn in Desert Hot Springs. The group meets at 11 AM for fellowship and sits down to lunch about 11:30 AM, where good conversation prevails. Sometimes we have a program, and such was the case in January when our own Jim Cook, WA7YVW, gave us a rundown on his trip last summer to Arazmus-16 in Russia. Arazmus-16 is the Russian equivalent of our Los Alamos nuclear facility, Jim was there as a consultant on a bottled water program, he being an expert on high speed bottling and food packaging lines. Jim was asked to leave Arazmus-16 after his innate curiosity got him in trouble with the authorities, and his departure was expedited!

We are starting the build up now for our Annual Spring Luncheon, which will be held on March 9th. An early bird cocktail party and fun dinner are planned this year, as well as Saturday morning seminars by Lew McCoy, W1ICP, on antennas and whatever else Lew wants to talk about, and Ron Luttringer, K6XC, on the integration of personal computers and the hobby. This event has evolved into a QCWA Miniconvention.

And talking about Conventions, the National QCWA Convention will be held in the Greater Palm Springs area in the

Fall of 1998.

There has been a change in the Chapter leadership. Matt Slavin, W6LDF, has retired as Treasurer and is succeeded by Harvey Newman, WB6JTN. Norm Friedman, W6ORD, will take over Harvey's job as Secretary. Bob Rose, K6KRZ, will continue as Vice President, Sid Rose, W9VKC, will continue as Net Control of our Thursday evening VHF Net on the Tram repeater, and I will continue as President, at least for the time being.

Don Doughty, W6EEN, President

Chapter 162, Southeast Wisconsin

The monthly chapter meeting was held at the Wustum Art Museum in Racine at 7 PM Monday November 20, 1995 and included a guided tour through the museum, which was featuring watercolors by Wisconsin artists. A short business meeting followed, preceded by coffee and kringle obtained by Bill, W9OVZ and enjoyed by all. It was announced that the chapter had received its club license with the call of KB9LUJ. An attempt will be made to change the call to that of former member, now SK, Olie Fox, K9AKG. It appears that this may be possible during the FCC "Gate 4" for special calls. Proceeds from the sale of Olie's equipment have been placed in a separate fund, the interest from which will be used to fund an annual award in memory of Olie. The annual award will be to a local Amateur who has been licensed at least 25 years and has made a significant contribution to the Amateur community.

Our December meeting was held at 1 PM Sunday December 10, 1995 and was the annual Christmas Party, at the Meadows restaurant in Franksville, Wisconsin and was well attended. Gifts were exchanged after a fine meal. Decision was made to invite the family of former member Olie Fox to attend the Southeast Wisconsin Ham Banquet as guests of the chapter to witness the first presentation of the award established in memory of Olie.

The first meeting of 1996 was on Monday January 15 at 7:30 PM at the Southport restaurant in Kenosh. Plans were made for obtaining QSL cards for the chapter station and a logging program for the recently received computer, a donation from a local business.

Robert N. Jensen, W0WLN, Secretary-Treasurer

Chapter 165, York County

Chapter 165 Annual Meeting for 1995 was held December 18, 1995 at the Stoney Brook Family Restaurant, York, PA., with 24 people in attendance. A dinner of roast chicken or roast beef was had.

After dinner President Carey S. Green, K3IIB, conducted a business meeting and announced the Chapter's 1996 officers, who are:

President - Philip W. Steinfelt, K3SRP

Vice Pres. - Dennis L. Cooper, K3NVI

Treas/Sec - Edward H. Kirby, Jr., W3YQJ

Trustees - John A. Zett, W3FLD & Frank Bair, K3GDI

Presented the following Certificates:

W3IXG - QCWA Meritorious Award

W5RQH - QCWA Golden Certificate 70 Years Anniversary

President Green appointed an Audit Committee to audit the financial records of Chapter 165. Those appointed were: Dennis Cooper, K3NVI; Ray Schaub, W3AXC; and Cecil Mundorff, K3DCV.

All XYLS were present with a Pointsetta Pot for Christmas.

After an enjoyable time between guests, the meeting was adjourned.

Edward H. Kirby, Jr., W3YQJ, Sec./Treas.

Chapter 166, Colonial

Our Christmas banquet at the Westover Country Club was a joyful affair. All the ladies took home a poinsettia plant.

With the holidays over the chapter is settling down to our 1996 activities. We are having our usual breakfast meetings at 9 AM the second Tuesday of each month. The odd numbered months at the Villanova Family Restaurant, the even numbered months at various places chosen by the membership. There is also the Board of Directors meetings and our luncheon meetings to which the gals are invited.

We would like to see greater participation on our Tuesday evening net 147.210 at 7:30 PM.

The new officers for 1996 are: Pres., Tom Jones, W3BED; V.P., Bob Thomas, W3QZO; Corr. Sec., Charlie Stouth, W3ZPP; Treas., Woody Sbei, W3TTW; Directors: Bill Findley, W3FEA; Al Bubeck, K3GNM; Sam Thompson, K3ST; Howard Trout, W3IGW. They are bouncing around some ideas to put before the membership with the assiduousness of this group. Do you have an idea? Perhaps your wife has a program idea?

July 31st will be our annual picnic at W3FEA's hilltop retreat. Come to the meetings and bring a new member.

Charlie Stouth, W3ZPP

Chapter 168, Oregon Trail

Our first Chapter luncheon meeting of 1996 will be held Saturday, April 13, 1996. The location will be the Old Country Buffet Restaurant at the Clackamas Square shopping complex on SE 82nd Avenue in Southeast Portland.

The luncheon will begin promptly at 11:30 AM. Please try to arrive on time so that we may be seated as a group. Bring along a guest. All QCWA members are invited to attend and become acquainted with our group. At our last meeting of 1995 in October we had a very nice turnout.

Following the luncheon, a short business meeting will be held. Mainly, this is for a slight change in our Chapter by-laws, which requires a vote of the members. At present, our Chapter Officers are elected at our April meeting and serve for one year until the following April. The Chapter Officers are in agreement that we should hold this election at the regular October meeting so the newly elected Officers can begin their term on the beginning of the new year in January. In order to make this change a 2/3 majority vote by the members is necessary. We feel this change would improve the transition period between outgoing and incoming Chapter officers. After business, the door prizes drawing will be held and the lucky ticket holders awarded their gifts. The prizes are the donation of our Chapter President Bill, K7TDO.

We regret to announce that Willard "Willy" Willingham, W7PFW, has become a Silent Key. He was a long time member of our Chapter and will be greatly missed from our meetings.

May he rest in peace.

If you are a local QCWA member and do not belong to our Chapter, stop by, we welcome you. If you have questions about our Chapter or need directions feel free to call our Pres. Bill Payne, K7TDO, at (503) 669-9680 or me, Fred, K7LNS, at (503) 654-5101.

Fred Behrman, K7LNS, Secretary/Treasurer



Chapter 173 officers for 1996, left to right: VP, KS4LT; Sec., WB3KSP; Pres., W6GXC and Ex-Pres., W9JRY.

Chapter 173, Golden Triangle

With this submission, Chapter 173 begins a new year with a new slate of officers, and hopefully someone that can provide more input to the Journal than in the past!

Chapter 173 meets on the second Saturday of each month at the Country Kitchen restaurant in Leesburg, Florida, at 9 AM. We presently have 33 members and growing at a healthy rate.

Officers recently elected for 1996 were:

President: Ed Potter, W6GXC

V.P.: Ken Lappe, KS4LT

Sec/Treas: Tony Sagolla, WB3KSP

Outgoing President, W9JRY, wished all the new officers good luck and thanked all for making his 2 year tenure a success.

A big note of thanks was also given to our former, and charter, secretary, Hal Beaver, W0LYB. After 8 years in sunny Florida, Hal and his XYL moved back to the Denver area. Shortly upon their arrival they were greeted by a late summer snow storm!

Ken Lappe, KS4LT

Chapter 181, Hudson Valley

Our last meeting, on October 28, was reported previously. However, a couple of events in the chapter's areas of interest deserve comment.

In December we came close to adding a good friend, Bill Godbey, KB2OOR, to QCWA membership. However, just after New Years, Bill had to go into the hospital where, after about

Chapter Reports, continued

a week, he passed away. Later his lady, Christine, found in his car an envelope addressed to me and already stamped. In it were applications for National and Chapter membership with appropriate checks attached. The checks were dated December 15. Bill had first been licensed as W5YHS in 1948. He had retired from the U.S. Navy as a Commander in 1961 and had worked many years for Cox Enterprises. If there were a memorial membership, Bill would be highly qualified. He will be greatly missed.

Dick O'Brien, NJ2J, Secretary

Chapter 191 Monterey Bay (CA)

The chapter meeting was held on January 4 at Arragano's Restaurant in Soquel. The quarterly dinner meetings will continue to alternate between the Monterey and Santa Cruz areas.

As the chapter began a second year of operation, the contribution of the outgoing officers was acknowledged. Retired officers include: Jerry Griffin, W8MEP President; Len Rosen, N2LR, Vice-President; Rob Brownstein, NS6V, Secretary; Elliot Sperling, KB3KY, Treasurer; Rob Chapmen, WØISL Director; Frank Mullen, W6SCL, Director; Dave Bradley, W6CUB Historian; Dave Harbaugh, W6TUW, Net Manager.

Newly elected President, Rob Brownstein, NS6V took over the gavel for the meeting. He introduced the other officers for 1996; Lloyd Cabral, AA6T Vice President; Wayne Thalls, KB6KN, Secretary; Elliot Sperling, KB3KY, Treasurer; Frank Mullen, W6SCL, Director; Jerry Griffin, W8MEP, Director; Dave Harbaugh, W6TUW and Dave Bradley, W6CUB, continue as Net Manager and Historian respectively.

The chapter net now convenes on the 146.70 MHz (-) repeater each Tuesday at 7:30 PM local time.

Pat Barthelow, AA6EG, has been working for more than two years to preserve the MARS installation at the now deactivated Fort Ord. The successful local effort should serve as a model for other ham groups throughout the nation. The White House has publicly acknowledged other innovative reuse plans for the former military installation including a new, already operating, California State University campus.

The buildings and several acres of grounds at the former MARS site have been retained for amateur radio use, with the proviso that a local sponsoring group be found.

Pat has successfully negotiated an agreement with the City of Marina Recreation Department to provide this support. While limited funding will be available, the city will provide essential insurance coverage and promotional efforts. Pat is seeking suggestions for future development of the resource.

The Ford Ord facility includes numerous antennas and support structures, as well as a completely fenced masonry building. The structure includes several operating and class rooms. Unfortunately, all the radio gear has been removed.

Our next chapter meeting will be at 6:00 PM on April 2 at LaFontana Restaurant in Monterey.

Wayne Thalls, KB6KN, Secretary



Chapter 195 officers: From left to right: Leo Witkowski, K1QPJ, Pres.; John McNassor, W1GVT, VP; Lorraine Witkowski, WA1EDR, Sec.; George Guler, WØOIR Tres. Foreground from left to right: Jay Strom, K9BSL, Activities Manager; Alan Pickering, KJ9N; Wes Randles, W4COW, National Tres.; Blanche Randles, W4GXZ.

Chapter 195, Sun City Center

The First Official Meeting of Sun City Center Chapter of QCWA met at Stacy's Restaurant in Ruskin, on January 11, 1996. The meeting was called to order by Leo Witkowski, K1QPJ, at 11:45 AM. Leo led the Pledge of Allegiance. Alan Pickering, KJ9N, gave the Invocation, and we recessed for lunch. At 12:45 PM the meeting was reconvened. Leo thanked the 29 hams and 7 guests who attended, and asked them to introduce themselves. The Secretary's report was read and accepted. The Treasurer announced that members will be considered as Charter Members if their dues are paid by January 31, 1996.

Old Business: Leo thanked Al Brawley, K5HOK, for the meeting posters. He thanked Dave Brown, N3KOQ, for the sign-in forms, and the calendar of Club meetings. He also thanked all those who made announcements on the local nets of our meeting. A call for a Chapter name was made to the members, and the following names were suggested: Sun City Center, Sun City Area, East Bay, Sun Point, South Bay, and Paradise. A vote was taken and the name Sun City Center received the most votes. It was then declared the name of the Chapter. Any member of QCWA National is eligible to join, and all visiting guests are welcome.

New Business: A change to our meeting schedule was suggested by Croft Taylor, VE3CT. The next meeting will be March 14, 1996. Jay Strom, K9BSL, spoke for a few minutes, and invited all members to use his repeater 145.29. He also invited the Chapter members to start a new VHF Net using the repeater. Wes Randles, W4COW, performed the Installation of Officers at 1:10 PM. Leonard Witkowski, K1QPJ, President; John McNassor, W1GVT, Vice President; Lorraine Witkowski, WA1EDR, Secretary; and George Guler, WØOIR, Treasurer.

Blanche Randles, W4GXZ, advised members about the Free Taping Program for the Blind. Wes Randles, W4COW, QCWA National Treasurer, explained about QCWA funds, and how they are invested. He also talked about Scholarships, how they are awarded, and how they are funded. QCWA has '501C' Internal Revenue Status. Wes also announced the next National Convention will be in Ottawa, Canada, October 4-6, 1996. The meeting was adjourned at 1:45 PM.

Lorraine Witkowski, WA1EDR, Secretary

QCWA Candidates for Office - 1996

President: John J. Kelleher, W4ZC - Unopposed
Vice President: Edward W. Yoder, W3YMB - Unopposed
Secretary: John H. Swafford, W4HU - Unopposed
Treasurer: H.C. "Duke" Knief, W2YTO
 J. Frederick Strom, K9BSL
Directors: Walter L. Brink, W3WPY
 Robert Buus, W2OD
 Gladys Chase, W1VPF
 Charles Dorian, W3JPT
 John T. Edel, K8LBZ
 Gary R. Harrison, WAØRWS
 Robert S. Korfhage, W7CHI
 Harry West Lewis, W7JWJ
 W.W. McGrannahan, KØORB
 Richard A. Stalls, K4KYO
 Croft B. Taylor, VE3CT
 Jack G. Troster, W6ISQ
 Amelia E. Wise, W5OVH

President: John Kelleher, W4ZC

John Kelleher, W4ZC is running for President. John was first licensed as W2DSV in 1932. He is the incumbent QCWA V. President. John is active on all HF bands and on 2 meters. He is also active on the internet. He is a past President of Chapter 91 and currently produces their newsletter. He was general chairman of the 1988 QCWA National Convention and is a Life member of QCWA, SOWP, ARRL and a Life Fellow of IEEE.



John is a charter member of AMSAT (number 13) and he helped achieve secondary payload status for AMSAT on NASA launch vehicles.

Kelleher was a member of the WARC-79 Advisory Committee for Amateur Radio and he participated in analysis of inosphere propagation data showing advantages of additional HF bands which were eventually allocated as "WARC" Bands. He was a member of the U.S. delegation to WARC - 1979.

Kelleher served in the Army Signal Corps between 1932 - 1937. He was a CW operator and technician at WVB, Ft Sam Houston TX; an instructor at Signal School, Ft Monmouth. NJ. He was a CW operator, RCA Communications between 1937 - 1940. He was a federal civil servant between 1940 - 1969 in the following areas: Signal Corps 1940 - 1962; NASA between 1962 - 1969. He was in private industry between 1969-1980.

John states, " My objectives as President are to improve national and international recognition of, and membership in, QCWA; to secure greater Chapter participation in QCWA affairs; to acquaint younger amateurs with advantages of QCWA membership when they become eligible and to increase QCWA participation in technical and regulatory matters affecting the amateur services.

Vice President: Edward W. Yoder, W3YMB

I am honored to have been nominated for election to the office of Vice President of QCWA. Currently I am serving as a member of the Board of Directors and as Chairman of the Constitution and By-Laws Committee. We all have much to be proud of in our great organization; the Officers, Directors and you, the membership, who through your loyalty and dedication have made QCWA a force to reckon with in the world wide arena of Amateur Radio!



For a short biographical sketch, I have been an active ham since first licensed in 1954 and currently hold an Advanced Class ticket. I am a life member of QCWA, ARRL, VFW, Sigma Delta Kappa Law Fraternity, USN SubVets; and a member of USN Radioman Association, OOTC; former President of Westmoreland County, PA Boroughs Association, Councilman and President of Murrysville, PA, municipal government. I am also the recipient of the DXCC, WAZ, WAS, RCC and Order of Wouff Hong awards. I also hold degrees of Associate in Technology, Associate in Arts, Juris Doctor and am licensed to practice law in Maryland.

If elected, I shall continue to devote all the time necessary in attending meetings, conventions and chapter activities, and to give my best efforts in helping all of us to keep up the positive momentum we have achieved in implementing our charter to promote interest in Amateur Radio communication and experimentation and to establish and advance the radio art and of the public welfare.

Secretary: John Swafford, W4HU

John Swafford, W4HU, is running for re-election as Secretary. He was first licensed in 1940 and now holds an extra class license. He is past president of Vic Clark Chapter # 91 and the Department of State Amateur Radio Club.. He is also a past director of SOWP Chapter 10. He is a member of AF-MARS, VWOA, SOWP, OOTC, Radio Club of America, AFCEA and IEEE. Swafford served with AACS during 1942 and 1943. He was a broadcast engineer after WWII until 1951. He served with the U.S.



Army Signal Engineering Agency and Department of State Office of Communications until retirement. Swafford is a Life member of QCWA and ARRL.

John states: "If elected I will endeavor to continue to provide assistance to members and chapters"..

continued next page

QCWA JOURNAL - Spring 1996

Treasurer: H.C. "Duke" Knief, W2YTO

A native New Yorker, Duke attended the NYS Maritime College until he entered the Air Force in 1953. Over the next 14 years, he received his wings as a Navigator/ECM Officer and as a pilot assigned as a B-52 Aircraft Commander as well as continuing his education at the University of North Dakota. After an active/reserve military career that spanned 25 years, he retired in 1979 as a Lt. Colonel.

As a civilian, he was employed by Pan Am as a pilot for 20 years, and transferred to United Airlines in 1986 where he served until retirement in 1994. He has over 20,000 flight hours and was a senior Captain flying on International routes to Europe and South America.

Licensed at age 13, Duke has held the same call for 48 years and holds Extra Class. He has earned many operating awards, including DXCC "Top of the Honor Roll", and is a Life member of QCWA, ARRL and AMSAT. His world-wide travels provided the opportunity to serve as QSL manager for several DX stations and he was a frequent visitor/operator at HZ1AB.

He has served as President, Treasurer and is in his second term as Chapter 76 Secretary. Under his leadership, a chapter VE team was organized and continues to operate. He also operates the local packet BBC for ham community and is an active Shriner and Elk in his "spare time".

Of particular interest to Duke is the realization that QCWA is the single link between the historical and the newspace age generation of amateur radio. Our QCWA chapters should attempt to capture the enthusiasm and technical knowledge of younger amateurs who will one day become members of our Association.



Director: Walt Brink, W3WPY

Walt Brink, W3WPY is an incumbent Director seeking reelection. Walt was licensed in 1951 as W7PLT and upgraded to Advanced class in 1952. Other calls held were W3CHI, W0CUH and since 1965 W3WPY. He has been chairman of the Membership and Chapter relations committee and is very active as a net control on the Sunday 14.347 net.

Walt says; "QCWA is my only agenda and if elected to serve another term I will continue to be an active participant in all QCWA activities".



Treasurer: J. Frederick Strom, K9BSL

I am Jay Strom, K9BSL, and I am a candidate for QCWA Treasurer. Currently I'm the QCWA Activities Manager. I was first licensed in 1955 at Muncie, Indiana, and have held this call continuously. Since my retirement I have resided in St. Petersburg, Florida.

It has been my pleasure to have held office continuously for the past 9 years in the Pelican Chapter 128, serving in every office one or more terms. I also worked on the QCWA Convention Committee in 1986 and served as Convention Chairman in 1993.

At El Paso in 1994, I was voted "Member of the Year". I own and maintain the 145.29 K9BSL/QCWA repeater in St. Petersburg.

My wife of 45 years, Jackie, and I have two daughters, Cordia, a lawyer in Washington DC, and Carla, married to an Army Sergeant currently stationed in Panama.

During WW II and the Korean Conflict, I served in the Navy. I graduated from Ball University in 1950, and worked for 25 years for the Arco, from which I retired in 1981. I am active in the Shrine, the Elks, the Moose and my church.

QCWA is an organization to which I am very proud to belong. If elected to be Treasurer, I will devote the time necessary to attend all meetings, other activities and conduct correspondence as expected of all the officers, always working to further the "Great Traditions" of QCWA.

I would appreciate your vote and look forward to meeting as many as possible of you on the air or in person.



Director: Robert S. Korfhage, W7CHI

I was born in Collingswood, NJ, in 1920. When a young Boy Scout, I learned the Morse code and became interested in tinkering with radios. I served in the Boy Scout movement for thirty years.

After serving in the Air force for four years, I returned to civilian life and moved to the Northwest. This is when I again became interested in radio and in 1956, I became a licensed Amateur Radio Operator. I have been retired from the Veteran's Administration since 1975, serving for 30 years.

I have been active in our local club, (W7DP) and held a lot of positions for the club. I am also a member of the Evergreen Chapter 87.

The Northwest seems to be lacking in representation in QCWA. Our hobby is "Communications", and I would like to be part of that communications, serving the many chapters of QCWA in the Northwest.

A vote for Director from you will be appreciated.



Director: Gladys Chase, W1VPF

I was licensed in 1952 as W1VPF, and became a Charter Member of Women Radio Operators of New England (WRONE). As the years passed and I became eligible for QCWA, I joined Yankee Chapter 112, and later became a Charter Member of Nutmeg Chapter 149. Since then I have joined Pioneer Chapter 183 and, recently, Pine Tree 134.

I served as the first Activities Manager for Nutmeg 149 for three years and Treasurer for Yankee Chapter 112 for four years.

Harold, W1EES, my husband, has been licensed since 1932 and our son, Hal, N1URW, received his call early last year. So, as you can see, we have a lot in common.

In 1984, I was co-chairman of the National Convention held in Windsor Locks, CT. In October of 1995, I was chairman of the convention held in Manchester, NH. Thanks to the New England Chapters and their many wonderful helpers, we have received many words of praise.

During my term as Director, I have served on the Finance and Administration Committee. Although I was very occupied during the last year with the convention, I expect to devote more time to my duties as Director during the next year, and in the future, if I am reelected.



Director: John G. Troster, W6ISQ

"Jack" Troster, W6ISQ, was licensed in 1935 in Yonkers, NY, and prior to WW II was an active ORS and DXer. He has degrees in geology from Dartmouth and Stanford and has worked as a petroleum engineer for a major oil company and as an independent in oil and mining exploration. His wife is Marguerite, KAZAN'S.

He served with the US Marine Corps in the South Pacific in WW II and later operated from Pacific Islands, Vietnam and Cambodia. He was on the WARC-79 Committee and is currently a member of the ARRL DX Advisory Committee; he's at the top of the DXCC Honor Roll.

Jack has been a QST Contributing Editor for 30 years and was elected to the CQ Magazine DX Hall of Fame. He has served as President and Board Member of the Northern California DX Foundation, has been President of both the Northern California DX Club and the Northern California Contest Club, and is Coordinator of the NCDXF/IARU International Beacon Project. He is a member of OOTC and a Life member of QCWA, ARRL, and AMSAT. And he loves DXing and Contesting.



Director: John Edel, K8LBZ

John Edel, K8LBZ, is a candidate for reelection as a Director. He was first licensed in 1957 as KN8LBZ and upgraded to Advanced in 1989.

Edel retired from teaching in 1985 after 33 years in the classroom. He belongs to ARRL, is a Life member of QCWA and a Life member of Massillon Amateur Radio Club. He has served as President of the Chapter 21 in Canton.

He was elected to the Board in 1991 and has been chairman of the Membership Committee and has worked on the Scholarship Committee.

John states: "I would like to be reelected as a Director. I will be available to all local Chapters that ask for assistance. I want to enlist as many 25-year hams into QCWA as possible. I will do my best to further this great and wonderful organization."



Director: Croft B. Taylor, VE3CT

Croft B. Taylor, VE3CT, is an incumbent Director holding the position of Director International Affairs, and is running for re-election. Croft was first licensed in 1950 and held several VE2 and VE3 calls since then.

After leaving university, Taylor joined the Canadian Armed Forces and served in the Royal Canadian Corps of Signals. Before retiring as Lieutenant Colonel, he was advisor to the Prime Minister in matters of continuity of national communications during insurrection, crisis or threat scenarios.

One of Taylor's major activities in the Amateur Radio Field was the institution of a programme for release of surplus Bell Teletype and Data equipment to the Amateur Radio fraternity in North America. He carried this on for 25 years and personally handled over 5000 tons of such equipment during allocation.

Taylor is a QCWA Life member and past President of Chapter 70. He is also a member of Florida Chapters 53 and 128. He is past Director and charter life member of the Canadian Amateur Radio Federation (now Radio Amateurs of Canada (RAC)), past President of the Radio Society of Ontario, and past President of several amateur radio clubs. He is active on CW, SSB and Data on HF, VHF and UHF bands.

Croft indicates that if he is re-elected, he will continue to work towards the development of the Association, and in particular, to working closely with the chapters outside continental USA.



Director: Dr. Bill McGrannahan, KØORB

Dr. Bill McGrannahan, KØORB, is a first term candidate for Director. A Life member of QCWA and a Charter Life member of ARRL. He is currently chairman of the 1997 Golden Anniversary QCWA Convention and was also chairman of the 1990 convention in Kansas City. He has served ARRL as Missouri Section Manager, Midwest Division Vice Director and Director. He is a member of The Medical Amateur Radio Council and The Collins Collectors Club. (Real Radios Glow in the Dark!)



Bill is a graduate of the Universities of Missouri and Kansas. Before retirement from private practice, he was a visiting lecturer and adjunct professor in Electrosurgery - a field in which experience in radio was a tremendous asset.

"The QCWA occupies a unique position in the mainstream of ham radio. Our members are experienced far beyond the average license holder. This collective maturity is a repository for the qualities which make our hobby great! I should like to see QCWA move forward into the 21st Century with an expanded leadership role; not forgetting our roots in the past, but looking to the future for the further development and preservation of Amateur Radio".

Director: Harry W. Lewis, W7JWJ

Harry W. Lewis, W7JWJ was first licensed in 1941, Extra Class License, State of Washington, Life member of QCWA and ARRL. In 1993 served as Chair for QCWA Chapter 4 and elected for a second term in 1996. Currently serving as ARRL Section Manager Western Washington. XYL is Mary, W7QGP, past ARRL Director and currently Sec/Treas QCWA Chapter 4.



Engineering career was in radio and TV broadcasting, plus 6 years as an electronic vocational instructor. Taught Amateur Radio classes evenings for 48 years with over 4000 graduates. Winner of 36 Morse code contests, four in excess of 75 wpm.

If elected will promote the purposes and objectives of the national organization as outlined in its constitution, particularly in its support of education, charitable and scientific purposes.

Director: Milly Wise, W5OVH

Milly Wise, W5OVH, is a candidate for reelection as a Director. The photo/bio package requested of candidates was not received at headquarters as of press time.

Director: Richard A. Stalls, K4KYO

Richard A. (Tony) Stalls, K4KYO, is a candidate for Director. First licensed in 1956, Tony has held amateur call signs in five US districts and Germany. He is a Life member of both the QCWA and the ARRL, and is currently President of the Vic Clark (Northern Virginia) Chapter 91.

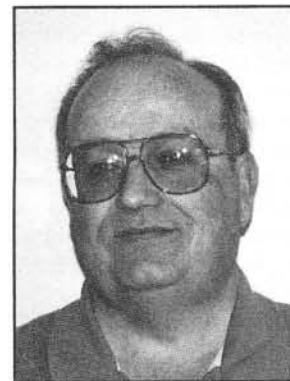


Tony retired from a 25-year federal government career as a Special Agent with the US Secret Service in 1993, and immediately became active with several volunteer community service programs and the QCWA. He was elected QCWA Chapter Vice President in 1994.

Tony states, "I am deeply concerned about amateur radio moving toward becoming little more than a personal radio service and in the process losing much of its prestigious status as a National Technical Resource and public service entity. The QCWA is uniquely qualified to spearhead an effort to reverse that trend. If elected, I will urge the officers and other directors to work with the FCC, ARRL, and others to preserve and protect the traditions of amateur radio that we hold important so future generations may enjoy the benefits it has provided us over the years. If you share my concerns, I will appreciate your support."

Director: Gary Harrison, WAØRWS

Gary Harrison, WAØRWS, would like to thank everyone for the support during his first term on the board of directors. He now holds an Extra Class license along with a General Radiotelephone license. He has worked in the communications field most of his adult life and recently retired from Alltel's Missouri Telephone. Gary has helped form several radio clubs in the local area and has served as an officer in them. He has enjoyed sharing



in the thrill of victory, watching one of his students pass their ham test after one of the many classes he has helped teach. Soon after becoming licensed he saw the need for local communications and helped put the local 2M repeater on the air. He has served as a volunteer examiner in the ARRL VEC program since its inception. Since being elected to the QCWA Board of Directors, he has served in many capacities including Chairman of the Membership and Chapter Assistance Committee and member of the Administration Committee. Gary and his wife Carolyn enjoy traveling and meeting fellow QCWA members while working in various QCWA booths including Dayton, OH and Springfield, MO. Gary looks forward to the opportunity to continue serving QCWA in any way possible.

Director: Charles Dorian, W3JPT/7

Charles Dorian, W3JPT/7, is a candidate for Director - first licensed in 1939 as W1LXO. Chuck has been involved with radio continuously since 1933. He served 30 years in the U.S. Coast Guard - 8 years at sea and 22 ashore in communications, becoming Chief of Communications in 1964. On retirement in 1972, Chuck joined the Communications Satellite Corporation (COMSAT) as Manager, Maritime Program Development.



During his lifetime Chuck was involved in many improvements to maritime and amateur communications - attending more than 25 International Radio Conferences in Europe and Asia as a member of Department of State delegations.

In 1979 he received the National Marine Electronics Association "Reginald A. Fessenden" award for his contributions to marine communications. Also in 1979 he was awarded the Albert L. McIntosh Memorial Trophy by the ARRL for his leadership in the preparation of, and participation in, the 1979 World Administrative Radio Conference proposals pertaining to the amateur service.

Dorian was the Chairman of the first ARRL Technical Symposium and a member of the first ARRL Long Range Planning Committee. From 1981-1990 he was the ARRL Associate Washington Representative for the amateur community before the FCC and the Department of State.

Dorian was the President of the Washington, DC QCWA Chapter, Secretary and President of the Foundation for Amateur Radio, a 50 year member of ARRL, and of QCWA since 1964. He is a member of VWOA, Radio Club of America, Potomac Valley Radio Club, the Issaquah ARC, OTC/OOTC and the Northwest QCWA Chapter. He holds the following awards: DXCC, WAC, 5BWAS, and WAS via satellite.

Chuck says, "I want to serve QCWA and its members in advancing the amateur community as a viable national and international resource."

Director: Robert Buus, W2OD

Robert Buus, W2OD, has been continuously licensed since 1953 when he started out as W0QZK. While still in high school, he obtained his First Class Commercial radiotelephone and second Class Radiotelegraph licenses with ship radar endorsements. He picked up his Extra Class license in 1955 before entering the University of North Dakota. Upon graduating Summa Cum Laude with a BSEE, Robert accepted a position on the Technical Staff of Bell Laboratories in New Jersey and changed his call to WA2HVA. He received his MEE degree from New York University in 1961 and worked on transmission systems, telemetry, computers, and advanced telephone terminals until his retirement in 1989 while he was Head of the Business Terminals Development Department. He obtained his present call in 1976.



Through the years, Robert Buus has been active on most of the amateur bands below 5 GHz using CW, AM, SSB, FM, RTTY, and Packet. In 1971, he received a QST cover plaque award for his article on a pulsed two-tone generator for tuning SSB linear amplifiers that was subsequently patented.

Recent activities since retiring include; traffic handling, public service, packet, and homebrewing. Robert Buus is a member of ARES, RACES, the Garden State Amateur Radio Association (GSARA), several repeater groups, the Radio Club of America, Life Member of the ARRL, and Life Member of QCWA. W2OD is the Emergency Coordinator for northern Monmouth County (NJ), the Net Manager for the Central Jersey Traffic Net, President of QCWA Chapter 138, past President of the GSARA, Vice President of the Shore Area Hamfest Consortium, Editor of the GSARA monthly newsletter, Editor of the QCWA Chapter 138 quarterly Bulletin, Secretary of the Amateur Radio Communication Service Corps of Monmouth County, and RACES Officer for Holmdel Township.

Buus says, "If elected, I will devote my efforts to serving all members while working with the QCWA officers to keep QCWA healthy and growing."



New Insignia for QCWW

The Quarter Century Wireless Women have just received their new patch for the group. It is wonderful and they should be able to sell quite a few to the members. The price is \$5.00 and they are available from their new Secretary, Carolyn Brooks, AB7ET, POB 7336, Klamath Falls, OR 97602.

ZL and VK With An HT

by Irwin R. Wolfe, W6HHN, ZLØAJG, 3467 Rambow Dr., Palo Alto, CA 94306

Vacationing in various parts of the U.S. was always made more pleasurable with my 2 meter HT. I had many a QSO that lasted well into the evening from my hotel or motor inn.

When Sarah, my XYL (she hates the term, hi) and I decided to spend a month in New Zealand and Australia, I looked forward to a vacation 'down under' with my 2 meter HT. During my skeds with ZL1QQ on 21 MHz, I received information on whom to write to for an application to obtain a temporary permit to operate there. He was enthusiastic about my visit and extended an invitation to visit with him.

I lost no time in writing to the Radio Engineering office of New Zealand Post Office, Federal St., Auckland, NZ, and received an application for a temporary permit to operate there. I filled it out and mailed it back, but had no reply by my departure date.

For those unfamiliar with the geography of New Zealand, it lies about 1200 miles from the southeast coast of Australia and consists of two islands, appropriately known as the North and South islands. Each of the islands is about 600 miles long and they are separated by Cook Strait, a distance of about 40 miles. Ocean-going ferries maintain regular scheduled crossings between Wellington, the southernmost city of the North Island and Picton, a port city near the tip of the South Island. The ferry crossing takes about 3-1/2 hours. The South Island has a mountain range along its west coast with many scenic fiords and glaciers. The southernmost city of the South Island, Bluff, is farther south than the Australian island of Tasmania, and only a couple of thousand miles from the Antarctic.

We left San Francisco in the evening for Honolulu, and after a 2 hour stopover continued in darkness, crossing the international date line and equator and arrived in Auckland shortly after dawn. We left on October 20th and arrived on the 22nd, having lost a day which we regained on our return. After clearing customs, we took delivery of a rental car along with maps and instructions of how to reach our hotel in town. In New Zealand, as well as in Australia, they drive like they do in England, on the left side of the road. The cars have right handed steering and you shift gears with your left hand. It took a lot of concentration to get used to that type of driving and on a few occasions I would suddenly find myself on the wrong side of the road, but luckily I drove quite a few hundred miles without mishap. After losing our way a couple of times, we managed to reach our hotel, a very attractive place facing Auckland's Rose Garden. I immediately phoned the Radio Engineering office to inquire about my license application. They did receive it and I was then given my authorization over the phone and assigned a call letter ZLØAJG.

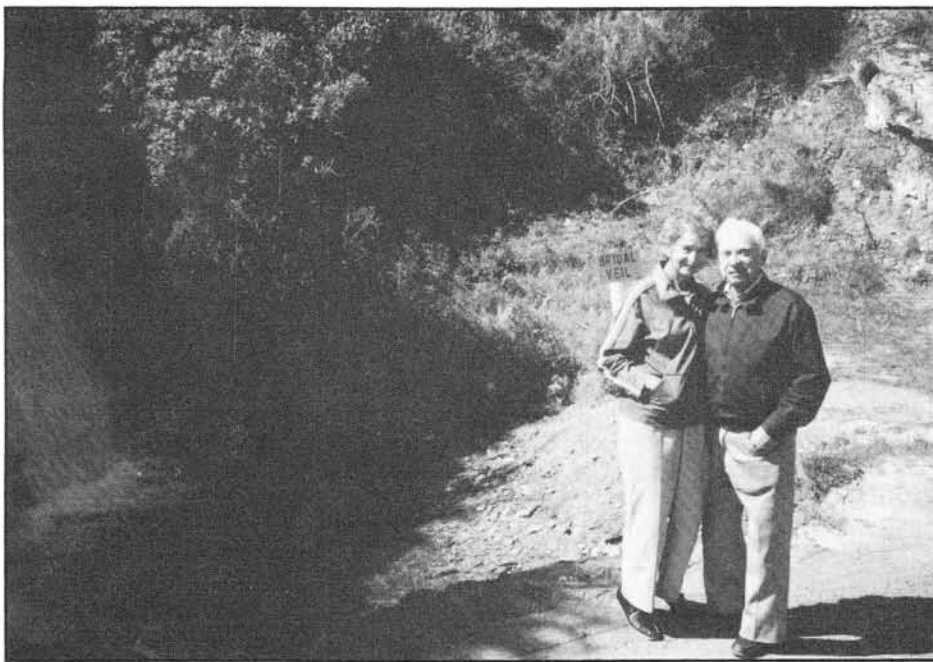
After unpacking I turned the HT on and sure enough I began hearing ZL stations on 2 meters for the first time! The next hour was spent having numerous QSOs and everyone welcoming me to New Zealand. We were given many suggestions as to where we should visit and incidentally quite a few invitations to visit for an eyeball QSO along with a cup of coffee and 'sweets'!

A bit about New Zealand hotels and motels: when you check in, you are given a small bottle of milk along with your room keys. Every hotel and motel has facilities for boiling water along with coffee envelopes and tea bags as well as a small refrigerator. All the motels we stayed at were like well equipped apartments, with a complete kitchen, living room and bedroom. Accommodations and restaurant prices were very reasonable and about 30% under U.S. prices for similar accommodations or equivalent meals. We also found that the hot water from their faucets was very, very hot, their light switches are OFF when up and ON when down. . . when you are 'down under'. Alas, their electrical outlets are neither U.S. or European type. My 220 to 100 converter with its different European adaptors did not fit. Their receptacles are a small version of the U.S. 220 volt 3 prong type except that the neutral is not 110 volt to either side of the 220 volt legs. After much searching, I found a store that had a European to New Zealand adapter. I was then able to charge my 2 meter batteries as well as my electric razor batteries. All New Zealand hotels and motels have color TV receivers, however, there are never more than 2 TV stations in the big cities and often one in smaller towns. A video cassette movie is often piped in the rooms in the evening. Quite a few programs are old reruns of the U.S. TV programs and movies.

The people there generally know much about the U.S. and when I inquired as to whether they had difficulty understanding my speech and accent, they all would say, 'not at all'. I wish I could say the same for theirs, but in general we had little difficulty. Some of their expressions were puzzling and led Sarah to buy an amusingly written book by an American who has been living in New Zealand for years, translating N.Z. English into U.S. English.

The population of New Zealand is 3-1/2 million and there are over 60 million sheep. The country is sparsely settled and the distances between the small towns average about ten miles. The highways are almost all 2 lane type.

The small towns are much like the early century U.S. towns, with a small restaurant and a Petrol (gas) station. No matter where you travel, the price of gas is the same, and averages \$2 a gallon U.S. dollars. The countryside has green rolling hills and herds of sheep are everywhere. There are quite a few roadside rest areas along the highways, but almost all of them consist of about two wood tables and benches with no water or restrooms. There are, however, public restrooms in small towns. A word about the small town restaurants. They all sell sandwiches which are made with very thin white bread and a thinner filling of egg and cucumber and other strange combinations. They all sell hot miniature pies. We tried their hot pies and gave up on them. . . they all seemed full of goo. Various cakes and pies are also sold (they are all called 'sweets') and are good. Senior citizens are given reductions on train and plane tickets as well as admission to museums, theaters, etc. However, they apply to New Zealanders and an identification card is required and proof of residence in New Zealand for a year is needed to obtain such an I.D. for Pensioners, as they are called. Another pleasant surprise. . . there is no



The author and XYL Sarah at the Bridal Veil falls in Hawaii during a short stopover enroute to New Zealand.

tipping! We read about it, yet it was surprising to experience, a pleasant one I might add. The cab driver in Christchurch, who was so helpful in getting us a hotel and carrying our bags, actually refused a tip, saying, "Oh, that's really not necessary, thank you". Bellhops in hotels quickly disappear the moment they bring your bags in. It took a bit of time to get used to people like that.

Now to get on with our trip. After two days of sightseeing in Auckland, we drove north to the Bay of Islands and stayed at a picturesque little town called Russell, accessible by a small ferry. The following day, the weather cleared and we had a mild sunny day to enjoy a catamaran boat tour of the bay and the many unique islands. We had a few QSOs with fellows in Dargaville on the west coast of the Island from our hotel and from the tour boat, 'mobile marine'. On our return to Auckland, we stayed at a hotel in the very center of the city and had many contacts from our 15th floor room. Our morning departure was delayed when we found that our car was broken into. The glass on the front door was shattered during the early morning hours while parked in a multi-story garage next to our hotel. Fortunately we had decided to take our luggage and HT to our room, but we lost a couple of hours exchanging cars at the rental agency. Crime in New Zealand?

We headed southeast for the Bay of Plenty and the city of Tauranga with a set of maps supplied to us by the AA (Auto Association of New Zealand). We dropped by their office the day before and identified ourselves as members of the AAA in the U.S. They gave us a bagfull of maps of both islands. In the past, I had numerous QSOs with both ZL1QQ, George Bush and ZL1NH, Rex White, on 21 MHz and they were expecting us. I phoned George when we arrived in town and after learning where we were he said, "stay there and I'll be there in 10 minutes". We followed him to his home overlooking the harbor, met his lovely wife Dorothy and both the Whites. They were most hospitable and plied us with refreshments and took us for a tour of the town. In the evening, Dorothy Bush had us over for a most unusual gourmet dinner. More sightseeing the next day to the old fort, botanical gardens and the small zoo where we saw New

Zealand parrots, which are wild in New Zealand. They are black and just as noisy as parrots usually are.

Next afternoon, the intermittent rains caught up with us as we headed for Rotorura, home of the steaming earth, geysers, boiling mudpots, and hot mineral baths. Our motel had its own private mineral pool and we were given a key to it so that we could enjoy its warm soothing waters in privacy and in our birthday suits... very rejuvenating. Among the many interesting sights besides the above named natural phenomena, was a beautiful Maori native dance show. The Maoris were the original settlers of New Zealand and most of the towns still have the original Maori names. One area in Rotorura was settled entirely by Maoris. Many of them are integrated with the white population and intermarriage is common we were told. We met and talked to a few Maoris during our travels and like all New Zealanders, they were warm and friendly. We visited an Agrodome, where

we were shown and informed about the twenty odd sheep breeds, and witnessed a sheep being shorn, and an outdoor demonstration of how the highly trained sheep dogs could maneuver a group of sheep to any direction, controlled entirely by the different pitch of whistles from their masters. Then there was a visit to "Fairy Springs" with its exotic plants, aquarium and a group of Kiwi birds foraging in the ground for worms and insects, in a darkened building. The Kiwi is a flightless bird, is rather rare and is nocturnal. The bird looks like a small chicken with a long beak. Most amazing though is its egg, which is unbelievably large, almost half the size of the bird. There is the kiwi fruit which everyone is familiar with. Native New Zealanders are also known as Kiwis and souvenir shops all feature kiwi ashtrays, napkin holders, etc. From Rotorura, we drove on to Taupo on the shores of beautiful Lake Taupo. We checked into a delightful motel facing the lake. I turned on the HT and immediately raised one of the locals. He invited us over for coffee and sweets at his home, which was near our motel and a pleasant visit it was. Next morning we visited a thermal electricity generating plant that supplies power for the area.

From Taupo we drove to Waitomo, home of the famous Gloworm Caves, which was most unusual, especially during the latter part of the tour on a small boat, and we travelled the last few hundred feet in complete darkness except for the light of thousands of glowworms overhead. The boat was propelled by an overhead cable through the underground river. We stayed the night at a motel in Hamilton whose outdoor sign was "You come as a guest and leave as a friend". Our host and hostess were very gracious and helpful and wanted to know what we would like for breakfast the next morning. We could never find pancakes on any menu in New Zealand and we had a hankering for some, so we asked for them. She had never made them before but promised she would look up the recipe and make them for us. She did a good job on them and we enjoyed them despite the lack of pancake syrup, which was unavailable, but jam did as well. We are also grateful to them for recommending a restaurant in town for dinner, called 'Uncle Sams', where we had one of the best buffet dinners we ever had.

continued next page



The author on a ferry in Milford Sound, New Zealand

We drove back to Auckland the following afternoon to see the Transportation museum, with its antique autos, trains, etc. as well as a replica of a small town in the 1800s. There were antique planes alongside models of modern jets. A building was devoted to the origins and development of computers, as well as other interesting exhibits. We visited the Parnell district, one of the oldest parts of Auckland, with its many art studios. In the evening we turned in our rental car and boarded the "Northerner", an overnight train to Wellington, some 500 miles to the south. We were served hot drinks and cookies in our compartment, then our bunks were made up for us for a rattling, shaky and noisy ride. We hardly needed awakening at 6 AM the next morning when a continental breakfast was served to us. A short bus ride and we boarded the large ferry for Picton on the South Island. The weather was clear and we enjoyed the 3-1/2 hour crossing with a very good lunch aboard. There was a short period when we were in the open sea and the heavy swells caused some steep rolling but we were in sheltered waters before we had a chance to become seasick. At Picton, the railroad station was alongside of the ferry pier and we boarded a train to Christchurch, about 300 miles to the south. It was a picturesque ride, and for many miles along the beachfront facing the Pacific Ocean. After a few hours, we stopped at a small station while everyone went to the station restaurant for sandwiches, sweets and hot drinks. We arrived in Christchurch in the evening and asked our cabdriver to take us to a nice hotel near the center of town. He said he knew just such a place and took us to what is known there as a private hotel similar to a bed and breakfast inn here in the U.S. It was a pleasant well situated hotel, two blocks to the business district and one block from a beautiful park and botanical gardens. A full breakfast was served and I ordered the usual bacon and eggs. You can never find U.S. type bacon there. Their bacon is much more like ham or Canadian bacon. Many New Zealand foods have unfamiliar names, especially fish, like 'John Dory', but the cuisine was generally quite good wherever we travelled. I was now in ZL3 land, and I tuned in

on the Christchurch repeater and found it quite active. My first contact was ZL3MG, who welcomed us to Christchurch and after some conversation asked if we would like to attend a ham club meeting the following evening. We accepted with thanks and he arranged to pick us up at our hotel the next evening. As soon as we signed, ZL3KD called and after a pleasant chat, he asked what our plans were for the following morning. We had none planned and he volunteered to show us around which we gladly accepted. Gerhard Diedrichs was a swell fellow and spent three hours driving us to all points of interest in the area including a visit to the supply depot that the U.S. government maintains for Little America, some 2500 miles south. We stopped for lunch at the home of the McCrackens, ZL3FV, and were served grilled cheese sandwiches waffle style. We enjoyed the beautiful parks, botanical gardens and art museum as well as

the compact city which rises from the bay. That evening we were taken to the ham club meeting by the Urlwins, both Roger (ZL3MG) and Anne (ZL3BQ) are active hams. The club owns the building and rents it to other organizations when it is not used for ham activities. There are a few smaller rooms in the building that are used for the club station; a swap room; and a surplus room, where the members contribute equipment and parts that others may need.

Roger introduced us to many of the members and when the meeting began, we were again introduced and welcomed. After a brief business meeting, the program began. Two TV receivers were set up on tables and a video cassette program of the recent visit of two club members to the U.S. was shown. They visited ARRL headquarters in Newington, New York City, Disneyworld in Orlando, Disneyland, Great America and Marine World in California. The video pictures they took were quite good. After the meeting the Urlwins took us to their home for hot chocolate and sweets and to see their equipment including a most unusual linear amplifier.

Next morning we set out in a rental car for a leisurely 5 hour drive to Mt. Cook. As we approached the westerly mountain ranges, the scenery became more dramatic, with snow capped mountain peaks and blue mountain lakes. At Mt. Cook, the air was cool and crisp and the surrounding snow covered mountains was a thrilling sight. The only accommodations there was the Hermitage Hotel and a small group of cottages next to it. They have a number of trails and we took a short 2 mile hike to the Tasman glacier terminal. In the evening, at the Hermitage lobby, we listened to the house organist, an elderly lady from Australia, play. When we asked her to play some American songs, there were none that she did not know. We began to sing along and we were joined by the first American tourists we met since we were in New Zealand. Some were from the midwest and a couple from Alabama and a lady from San Jose, California. I tried my radio but we were too far from any repeaters.

After Mt. Cook, we drove to Queenstown, a little jewel of a town, on the shores of a beautiful lake, surrounded by moun-

tains. We took a funicular to the summit of a nearby peak and enjoyed a fantastic view of the city and area. We also took the Skippers Canyon tour, which was highly recommended by one of the Americans we met at the Hermitage. It really was a thrilling experience, riding the small 4 wheel drive bus on a very narrow road carved out of the steep mountains. Looking over the side, I could not see the road and looking ahead was even scarier. Luckily there was no traffic in the other direction. We stopped at the site of an old gold mining camp that was active some fifty years ago and saw the old abandoned mining machinery rusting away. We were served hot drinks and cookies by the bus driver. He indicated where the rest rooms were. The two outhouses were self flushing, being built over a stream!

The following day we drove to Te Anau, on the shores of Lake Te Anau. It was a small attractive place with many motels that serve visitors to Milford Sound. There are no accommodations at Milford, which is the gateway to the fiords. We set out early the next morning for Milford, an interesting two hour drive with many scenic views of canyons, brooks and foliage. At Milford we boarded a tour boat for a most memorable voyage through the fiords of Milford Sound. The weather was bright and sunny, the scenery was spectacular, with the mile high granite mountains rising from the sea. The large tour boat would nudge up to within ten feet of some of them and we watched the seals and penguins swimming and jumping up on the rock outcroppings. There is always a snack bar and buffet on tour boats and we enjoyed a pleasant lunch aboard the four hour tour which ended in the Tasmanian sea. I listened in on repeater frequencies but could not hear any signals.

Our next destination was Dunedin, an attractive city with a large harbor. Our Te Anau motel hosts recommended the Abbey Hotel, which we found to be an excellent choice. Like Christchurch lodgings, it was close to a huge park and a botanical garden. As soon as we were settled in our rooms, I tuned up on the Dunedin repeater and was again welcomed by the local hams. Frank Whitely, AL4BE, offered to be our guide the next day and Peter LeQuesne, ZL4TCC, invited us to his home the next evening and to make sure we would find his place, drove over from his office to our hotel with a detailed map and directions. The next morning Frank, ZL4BE, picked us up and gave us a most comprehensive tour of the entire area. It included the famous tunnel through a mountain connecting both the city and the port area, and a visit to the Larnach Castle, built some 80 years ago by a Scotsman, which duplicated the Larnach Castle in Scotland. In the evening we visited Peter and Anne LeQuesne, ZL4TCC, and I was amazed at his magazine collections, including bound QST copies from almost the inception of ARRL, as well as a complete collection of 73 and CQ magazines. He is into RTTY and computers, and had rooms full of equipment. After the usual refreshments and conversation we managed to find our way back to our hotel from his mountain home.

We left Dunedin the following day for the last leg of our trip, the 300 mile drive to Christchurch. We checked into a motel close to the airport, since we had booked an early morning flight to Auckland, where we transferred to our scheduled Pan Am flight to Sidney, Australia. We both loved New Zealand where people are courteous, friendly and helpful, where all the hams were so hospitable and accommodating. Our sole regret on leaving was that we had not planned a longer stay instead of only three weeks.

VK

We arrived in Sydney shortly after noon, boarded the airport bus into town and were asked what hotel do you want to be taken to? Since we made no advance hotel reservations, we replied, "Just take us to any good hotel near the city center. Evidently we didn't look like the Hilton type, so the driver recommended the Imperial Hotel. The location was convenient, the price very reasonable, considering it included a full breakfast, however our room left much to be desired. . . it was very compact. We did switch the next morning to the 'Top of the Town', a luxurious hotel just across from the Imperial, with a grand view of the city from our 15th floor room. Since we had planned to spend only six days in Australia, I did not apply for a temporary permit to operate during our brief visit there, so it was with a bit of trepidation that I turned on my HT and after finding a repeater, went on the air with my U.S. call. My first QSO with VK2MK was very helpful. He gave me all the information on points of interest, recommended the various ferry trips to take, parks to see, etc. We also found that our hotel location was in the Kings Cross section of town which was similar to the San Francisco north beach area, only much more so. In the evening the "ladies of the night" were in full swing and openly solicited their "wares". There were the usual all nude shows, consenting adult theaters and the like; quite a place for a swinger! Sidney is a beautiful city and its business district is very modern. Sydney Tower is built over a building in the business section and is similar to the space needle tower in Seattle, complete with revolving restaurant and a magnificent view of the area.

The famous opera house has two large theaters for opera and symphony concerts and two smaller theaters for plays. Sydney has a subway system and the Kings Cross station was near our hotel, which made it very convenient to travel to any part of the town. Prices for food and lodging are comparable with U.S. costs. They have a number of ferries that go to the outlying areas across the bay. We took a ferry to Manly, a beach resort; a pleasant half hour ride through the harbor with good views of the city, ocean steamers, sailboats, etc.

Manly was a busy resort town with a beautiful beach. The main three block street from the ferry to the ocean has a mall with a narrow park in the center where people dined and a small orchestra played.

My XYL chatted with the teacher of a group of visiting 5th graders that were walking on the beach boardwalk. When she asked if the kids would sing "Waltzing Matilda" for her, the teacher replied, of course, and we were treated by the entire class singing at the top of their voices. We returned to the city by a fast hydrofoil ferry in half the time of the regular one. On another day we took a ferry to the zoo where we finally saw Koala bears and kangaroos. A beautiful view of the bay is afforded from the zoological grounds. The aquarium had some of the weirdest fish we had ever seen. The three days we allowed for our stay in Sydney passed all too quickly and we were soon on the last leg of our flight to Melbourne.

On our arrival at the airport, I again asked the airport bus to take us to a moderate price hotel in the center of town. He took us to the Center Hotel, which was about half a mile from the city center and was a very unique hotel. There was a swimming pool in the lobby, which was open to the sky. When it rained, which it did at one time, well the rain came right into the lobby. I found the Melbourne repeater and my first contact was VK3GQ who welcomed us to Melbourne. When I

continued next page

asked what he recommended that we see in town, he replied, tell me where you are and I'll be down to pick you up and show you around!

True to his word, Bob Bouchier, VK3GQ, came by with his very affable XYL and took us for a long drive around the city and its outskirts. We wound up the evening at his home, met his family and visited his well equipped ham station. We were given an Australian gift package, containing an Australian flag, decorative pins, maps, etc. During the refreshment period, we were given suggestions where to go and what to see during our stay. The next day we bought a "go anywhere" ticket which is valid on any train, trolley or bus for one day, for only \$4. We entrained for the Sherwood Forest area in the Green Mountains, switched to buses, trains, etc. throughout the very scenic areas. Later in the day we visited the Royal Botanic Gar-

dens, Kings Domain, Zoological gardens etc. We certainly had our moneys worth with those tickets.

In New Zealand and Australia, the parks are called 'domains'. After six days in Australia, our glorious holiday came to an end and we began our homeward journey. We flew back to Sydney and a brief stop-over in Auckland and finally the long 8 hour flight to Honolulu.

To minimize the jet lag effects, we decided to spend a few days relaxing on the beach in Kauai and Honolulu and were welcomed by local hams on 2 meters who all signed off with Aloha!

After four days of warm tropical sunshine we left for San Francisco and arrived in a cold rain, an unfitting end to a wonderful vacation so greatly enhanced by my 2 meter radio. W6HHN

SILENT KEYS

with sadness we record the passing of these members

W1BVL, Richard S. Briggs, #06843, Beverly, Mass.
 W1DBM, Philip S. Rand, #03765, Haverhill, N.H.
 W1FBG, James W. Craig, Jr., #10599, RYE, N.H.
 LX1JW, Jean-Bernard Wolff, #14209, Luxembourg
 W1KFD, Edward P. Drake, #17322, Lebanon, N.H.
 K1RRY, Stephen C. Backus, #22586, Old Greenwich, Conn.
 K2PPK, Robert L. Ward, #26770, East Aurora, N.Y.
 W2UGY, Bernice A. Hanrahan, #13907, Scotia, N.Y.
 W2UKA, Philip C. Noble, #21385, Liverpool, N.Y.
 W2VCV, John J. Kelly, Jr., #25679, Toms River, N.J.
 W2WAM, Robert B. Dome, #11910, Jamesville, N.Y.
 W2YZS, Ralph H. Shepard, #08919, W. Caldwell, N.J.
 VE3DMC, George M. Schuthe, #08774, Ottawa, Ont.
 W3EVQ, Walter E. Miller, #25059, Bel Air, Md.
 W3GXJ, Floyd E. Lent, #16177, Hopewell, Va.
 W3OEJ, Karl L. Booker, #17778, Baltimore, Md.
 VE3PDJ, Tom C. Walker, #15484, Largo, Fla.
 VE3UD, William Deacon, #14537, Ottawa, Ont.
 W4BDY, Dabney R. Perry, #11642, Clearwater, Fla.
 W4CSS, W. F. Mantey, #09789, Shalimar, Fla.
 W4KX, John C. Morgan, #02207, Southern Pines, NC
 K4LWG, Charles L. Curtis, #15549, Winchester, Va.
 W4OB, John J. GLAUBER, #06054, Zellwood, Fla.
 K4OBD, Michael A. Wyzga, #15918, Roswell, Ga.
 K4SS, Edward C. Schaefer, #03868, Dunedin, Fla.
 W4UGX, George B. Ritter, #15353, Winchester, Va.
 W4ZBU, Graham Megaw, #19387, Sarasota, Fla.
 WM5C, Robert D. Edsall, #27199, Burke, Va.
 W5EQD, Edmund C. Lynch, #10980, Austin, Tex.
 W5GEF, Fenton B. Smith, #12482, Baker, La.
 KA5JPH, G. Milton Langridge, #18921, Pride, La.
 W5LEO, A. Hartley Hyltin, #08476, Austin, Tex.
 KB5LV, H. N. Schmidt, #05738, Clinton, La.
 K5MSN, David A. Kelley, #18248, Baton Rouge, La.
 W5NT, Otto M. Arnquist, #05992, Dallas, Tex.
 W5OC, Norman C. Willis, #18350, Dallas, Tex.
 K5SNE, John Burke Brumfield, #12460, Baton Rouge, La.
 K5ULC, L. Russell Clapp, #20311, Fort Worth, Tex.
 W5VIJ, George C. Whitney, #09791, Las Cruces, N.M.

W5ZDW, Robert J. Bowman, #12382, Denham Springs, La.
 N6BUY, Dale W. Auth, #15332, Morro Bay, Calif.
 W6KTH, Carl T. Linquist, #03703, Sugarloaf, Calif.
 W6LL, Robert J. Erler, #00117, Vallejo, Calif.
 WA6NIL, James M. Lomasney, #26615, Palo Alto, Calif.
 W7AFG, Ray C. Hensley, #04675, Peoria, Ariz.
 K7AOA, Nicholas C. Hipp, #16724, Sun Valley, Nev.
 W7AVC, Eugene A. Freeman, #18044, Seattle, Wash.
 W7BLP, Howard O. Campbell, #11516, Ferndale, Wash.
 W7CL, Don Haskell, #12559, Hurricane, Ut.
 WA7FOB, Wayne Ralph Morris, #24140, Butte, Mont.
 W7FOL, Eugene D. Howe, #04223, Longview, Wash.
 W7GPS, John E. Layton, #02949, Lynnwood, Wash.
 W7JAC, H. E. Elsen, #02375, Portland, Ore.
 W7JKB, Albert V. Bradley, #13693, Boise, Id.
 WA7JY, Wallace Qluther, #10812, Colfax, Wash.
 W7PFW, Willard E. Willingham, #22619, Aloha, OR
 K7PKT, Robert W. Gavin, #05918, Bosie, ID
 W8BSW, Donald Hubert, #13375, Chesapeake, VA
 K8JZN, William D. Parks, 16822, North Canton, Ohio
 W8NXN, Walt H. Dettinger, #02635, Sylvania, Ohio
 K8YFX, Kenneth G. Anderson, #1929, Port Richey, Fla.
 W9DAR, Clarence O. Lang, #11800, Clearwater, Fla.
 K9PBN, George Gruenthaler, #19504, Oak Forest, Ill.
 W9VQD, J. Travis Baird, #06982, Milwaukee, Wisc.
 W9YAA, Marvin W. Mote, #15758, Zephyr Hills, Fla.
 K0ADO, Erland F. Maurer, #20742, Spencer, Ia.
 W0CDA, Lawrence Schwarz, #22654, Chesterfield, Mo.
 W0FLM, Gerald E. Schultz, #13647, Waukon, Ia.
 KE0II, Charles L. Carroll, #25799, Des Moines, Ia.
 K0JFN, Tom Bracket, #15858, Fremont, Neb.
 W0MT, H. R. Markwell, #03608, Byers, Colo.
 W0RSL, Robert C. Miedke, #15103, Dallas, Tex.
 W0SVS, William B. Bauer, #26052, Merville, Ia.

Please Note: Before we can publish SK information we need an obituary notice, funeral notice or a note from a family member. Please send all information to QCWA Headquarters.

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This form for use by all U.S. applicants
for membership in QCWA.
Effective 4/1/96

For Office Use Only

Membership No. _____

Date _____

First Licensed, Year _____

Deposit Record _____

Have you been previously enrolled in QCWA? _____

I, _____, _____, _____

(Please Print Name Clearly)

Present Callsign _____

having been licensed as an amateur 25 or more years ago and presently holding the call listed above (it is not necessary to have been licensed the entire 25 years) hereby apply for membership in QCWA. I understand that proof of the original date of licensing is required. My complete mailing address is:

Street Address _____

City _____

State _____

Zip _____

I will keep QCWA Headquarters advised of changes in my address and/or callsign. My first amateur license was issued _____ Other calls held _____

I wish to become affiliated with QCWA Chapter _____

Date of birth _____ Birthplace _____

Present occupation/business _____

If retired, what was major life work? _____

Other organizations you belong to _____

Your signature _____

SCHEDULE OF MEMBERSHIP FEES

Select one of the following plans

	Members	Family	
QCWA dues for a one-year period	\$20		_____
QCWA dues for a two-year period	\$35		_____
QCWA dues for a three-year period	\$50	\$12	_____
QCWA life membership	\$300	\$90	_____
Payable in 3 equal installments			
of \$105 each, in a one-year period	\$315	\$105	_____
		(3 payments of \$35)	_____

Initial registration fee, all new members - \$3

Gold membership pins are available, your call engraved, no year tags. Check type of fastener.

Tie tack _____, Screw button _____, Safety pin _____, ----- \$10 each _____

Year tag pins - 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 (tie-tac only) - \$15 each _____

Total _____

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Mission To DX Destinations

Dr. William C. Hess, W6CK, P.O. Box 19, Pasadena, CA 91102

At the end of October, 1973, my wife and I boarded the SS Santa Maria at Long Beach for a two month voyage, transiting the Panama Canal followed by many stops at ports on the east side of South America, then through the Straits of Magellan near Cape Horn and back up the west side of South America with stops on that side of the continent also.

Those readers who are contemplating making trips involving the Panama Canal may use the following information without charge if they wish to win a few small bets from their fellow shipmates. If your ship is in the Caribbean enroute to the Canal, address your friends as follows:

"I suppose you all know that when we get to the eastern end of the canal, we will have to sail about eight hours to get to the western end of it. What I want you to tell me is how far west we will have sailed when we reach the western end of it and I'm willing to bet none of you can tell me."

Whatever number of miles west that your victims give as their answer will be wrong. Actually, the Canal does not run west at all, only South and Southeast. When you reach the Pacific Ocean, you are actually 22-1/2 miles East of where you entered the Canal. This is due to the peculiar "S" shape of the Isthmus of Panama. The ship's Captain or any of his senior officers will verify this for you. This trick can be reversed, of course, if you are entering the Canal under the high bridge at the Panama City end. Here's hoping that you will win at least a few Pina Colodas with this nasty trick.

If you go to Rio de Janeiro, and wish to visit the Christ statue, as most tourists do, be prepared for a hard climb up the stairs to reach the base of the statue. The city bus drivers in Rio will give you the greatest thrill of the entire South American trip. Since they are paid according to the number of passengers they leave the headquarters of the bus company with, at the conclusion of each trip they race each other at high speed occupying both northbound and southbound traffic lanes of the streets in an effort to be the first bus available to the waiting group of passengers. If any automobiles are coming in the opposite direction, they had better turn up an alley or drive on to the sidewalk. At least, that was the situation in 1973.

Before docking in Rio, the ship authorities had warned us not to try to make any telephone calls between the hours of four and eight PM. We were told that the first thing a resident of Rio does when he arrives home from work is to start playing with his telephone. Not that he wants to call any particular person or business, if he can just reach SOMEONE, ANYONE without getting a busy signal or no "ring back" at all, then he will be pleased. Dead silence is what he wants to avoid. It's all kind of like a ham calling CQ. Remember, this was in 1973, perhaps the novelty of having a telephone has worn off by now.

In Santos, Brazil, we visited Jayme, PY2CK. The entire north wall of his hamshack is covered by a huge map of the world. A six foot long aluminum pointer rotates to whichever country it is desired to contact. With the arrow aimed carefully at Pasadena, I had no problems in contacting hams back there, including the Chief Engineer of ABC's TV Channel 7 in Los Angeles, California.



The author of this article Dr. William C. Hess, Ph.D., D.Sc., is pictured above in the uniform of a Light Colonel in the Civil Air Patrol. Later he transferred into the Army Reserve as a Full Colonel.

In Buenos Aires, we visited the first ham ever to be licensed in Argentina, LU1AA, who has a huge certificate from the government attesting to the fact.

His beam was at the top of a 100 foot tower which was on top of a twelve story building. Our ship departed from that city with two Chilean ship pilots aboard who had flown over from Valparaiso, Chile, to safely guide the Santa Maria through the treacherous Straits of Magellan. The Grace Lines company believes that TWO pilots are much better than one. The reason it adopted this policy was due to the fact that in 1968 the SS Santa Leonor owned by the same shipping line started through the Straits with only one pilot aboard. At a lighted buoy designated "George's Light" which is maintained by the Chilean Navy, the pilot was supposed to make a 62 degree left turn. For some unknown reason, he made only a ten degree turn. The Leonor violently struck submerged rocks which cut through her double hulls like they were made of tissue paper and the ship's Captain was knocked off his feet. The Captain, of course, was not criticized in the slightest degree, since it is the pilot who is in complete charge of the ship all through the Straits until it reaches the Pacific Ocean. It was only a twenty million dollar mistake. Presumably, the pilot said afterward "Well, nobody's perfect."



"Well, nobody is perfect" may have been the post accident comment of the Chilean pilot who steered the SS Santa Leonor on to the sharp rocks in the Straits of Magellan in 1968 with the result shown above.

The Leonor sank in 10 minutes, barely enough time for the passengers and crew to board rubber rafts and a lifeboat. The Radio Officer lost all his extensive Collins ham gear. Somehow, the \$25,000 cash which was in the ship's safe to cover the impending payday for the crew mysteriously disappeared. I understand the Internal Revenue Service is still interested even to this day as to what happened to this money. Everyone who had been aboard the ill fated ship were flown to New Orleans. One of the crew had eighteen hours there to catch another airplane to his home, but he missed his plane. That eighteen hours is when the IRS thinks purchasing of plastic sacks and some digging may have occurred.

When we arrived in Valparaiso, we engaged a young girl who owned an automobile as a guide during our visit there. She took us to the casino there (where her brother was second in command). After a couple of hours there she had won so much Chilean currency that she could hardly stuff it all into her oversize purse. I asked her how much it amounted to in U.S. dollars. She said four.

Next she took us to a four story apartment building (where a Chilean ham to whom I had talked to several times on 20 meters) lived. I walked up the four flights. My wife and the guide remained in the automobile. When I returned from my visit with the CE2, the ladies and the automobile were nowhere in sight. It developed that during my absence, six soldiers equipped with machine guns had arrived at the building looking for a "radical" and they told the guide to drive at least two blocks away for safety.

That evening, we were guests of the Valparaiso Radio Club and were presented with a gift.

In October, 1974, we embarked on a 22,000 mile trip around the Far East. In Bangkok, we visited with the late Colonel Chotikul, HS1WR, who entertained us for lunch and later took us to the airport in his chauffeur driven Rolls Royce. At that time, the Thailand government did not have anything to do with issuing ham licenses. The hams there practiced code and studied radio theory until they thought they were qualified

for a license. They then went to see Colonel Chotikul and if he was impressed with their abilities then HE issued them a license, not the government

In Singapore, we boarded the SS President Lincoln for a one month voyage known as the "Singapore Swing", which visited the ports of Bombay, Karachi, Cochin, Colombo and Djakarta and then returned to Singapore. The SS President Taylor was also assigned to the "Swing". On all these voyages, I naturally spent a lot of time in the Radio Room. One day, the "Sparks" aboard the Lincoln asked me if I would like to talk to the RO on the Taylor who was also a ham. When I replied "sure" the RO dialed the proper frequency and the motors inside the Collins "Auto-Tune" transmitter could be heard, tuning the rig to the proper frequency. My QSO with the RO on the Taylor proved to be an extremely interesting one, since he turned out to be, surprisingly, none other than the "Sparks" who had been aboard the last voyage of the ill fated Leonor.

In closing, I'll tell you about my latest electronic project. I found an old Bell System telephone in my junk box, so I have been busy recently in converting this instrument into a car telephone for one of my automobiles. It works fine and I have already thought of one use for it if I should happen to be "pulled over" by the Pasadena police. You know how they operate, the first thing the officer does is to ask for your driver's license, which he takes back to his squad car to check it out and punch in your car's license plate numbers into the computer in his car. While he is busy doing that, I'll be busy too, dialing 911 on my car phone, *to report a big bank robbery going on a couple of blocks away. I hope the officer remains calm and doesn't leave the scene so fast that he forgets to give my driver's license back to me. Just kidding, of course. W6CK



AW, THAT'S OL' JOHNSON -- HE ALWAYS RUNS HIGH-POWER !!

Chapters on the Air

NO.	NAME	DAY	TIME	NET CTRL	FREQ
	QCWA CW	WED	2000E	varies	7035
	FLORIDA SSB	SAT	1300Z	W4NWF	3955
	QCWA SSB	SUN	2000Z	varies	14347
	FLORIDA SSB	WED	1500Z	W4NWF	7274
	NE REGIONAL	SUN	0845L	W2AUF	3917
1	CLEVELAND CHAPTER	WED	2000L	KB8ZBH	146.88
2	CHICAGO AREA CHPT	1TH	2130L	W9MOL	147.15
4	NORTHWEST CHAPTER	SUN	0830L	W7PN	3655
4	NORTHWEST CHAPTER	SUN	1200L	W7FNC	3952
4	NORTHWEST CHAPTER	SUN	1500L	K7FPT	3952
5	DELAWARE VALLEY	SUN	1000L	W2EEQ	3917
6	PITTSBURGH CHAPTER	SUN	0830L	W8CSU	147.03
7	SOUTHERN CALIF	SUN	1000L	W6ZRZ	146.805
7	SOUTHERN CALIF	SUN	1100L	K6BA	3695
8	UPPER MIDWEST CHPT	SAT	0800L	W0KHG	3877
9	SOUTHWEST OHIO	SUN	1330L	W8DWT	3987
10	MICHIGAN CHAPTER	SUN	0800L	varies	3903
11	NORTHERN CALIF	SUN	0930L	WA6AFT	3907
11	NORTHERN CALIF	SAT	1000L	WA6AFT	146.85
12	SOUTHEAST FLORIDA	WED	2030L		146.76
14	SAN DIEGO CHAPTER	WED	2000L	K6QM	145.52
16	ARIZONA CHAPTER	SUN	0700L	W7ER	3890
17	ALLETOWN-BETH	SUN	1200L	VARIES	3917
19	MISSOURI CHAPTER	WED	1930L	KD0IR	147.15
20	BALTIMORE CHAPTER	MON	2100L	WA4GHU	147.285
21	CANTON OHIO CHPT	THU	1930L	K8UDO	146.79
25	NEBRASKA CHAPTER	TUES	1900L	W0HXL	146.94
25	NEBRASKA CHAPTER	SAT	1430Z	W0EUT	3983.5
28	CENTRAL NEW YORK	SUN	1030L	VARIES	3917
30	WEST VIRGINIA CHPT	SUN	1500L	VARIES	3865
31	READING CHAPTER	MON	2100L		146.91
32	GATOR CHAPTER	SAT	0900L	VARIES	145.29
33	GUNDERSON	DLY	2000L	W3APE	3982
35	MIDCONTINENT CHPT	THU	0830L	W0WHK	146.97
36	NORTHWEST INDIANA	THU	2000L	N9MRS	147.495
37	HARRISBURG CHAPTER	WED	2100L	K3IUY	147.12
38	SAN ANTONIO CHPT	SUN	2030L	W5HRF	28650
41	DALLAS CHAPTER	SUN	0715L	VARIES	3835
44	HOOVER DAM CHPT	MON	2000L	W9RU	145.39
45	CITRUS CHAPTER	TUE	1930L	WB4DRF	147.195
46	FOUNDER'S CHAPTER	THU	2030L	W2AUF	147.36
46	FOUNDER'S CHAPTER	SUN	0930L	W2AUF	3917
48	TREASURE COAST	DLY	1500Z		7153
49	ATLANTA CHAPTER	WED	2000L	K4VN	145.41
49	ATLANTA CHAPTER	SAT	0900L	K4VN	3857
51	TEX-LA GOLDEN TRI	MON	1900L		146.70
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54	TYLER CHAPTER	MON	1930L	W5RRM	28.650
54	TYLER CHAPTER	SUN	0800L	W5CNO	3835
55	WISCONSIN CHAPTER	SUN	0830L		3985
58	COLORADO CHAPTER	SUN	0930L	VARIES	146.07
58	COLORADO CHAPTER	SUN	0900L	W9KRE	3905
60	EAST TENNESSEE	SAT	0730L	AA4WX	7233.3
61	DETROIT METRO CHPT	SUN	0800L	W8IHX	3663
62	SUWANNEE CHAPTER	SAT	0900L	W4PFJ	3940
63	CENTRAL OKLAHOMA	THUR	1900L	W5HXL	145.41
63	CENTRAL OKLAHOMA	SUN	0800L	VARIES	3856
64	EL PASO CHAPTER	SAT	0830L	VARIES	3933
65	NIAGARA FRONTIER	SUN	1330L	W2NW	3900
70	NATIONAL CAPITAL	THUR	2000L		147.03
73	SOUTHERN ONTARIO	SUN	1300L	VE3MO	7088
73	SOUTHERN ONTARIO	SUN	0900L	VE3DAR	3773
75	CENTRAL CALIF CST	SAT	0800L	VARIES	3917
76	BLUE RIDGE CHAPTER	SAT	1300L		7180
77	NORTHERN NJ	THU	2000L		147.285
77	NORTHERN NJ	SUN	1300L	W2OJW	3917
79	SUNFLOWER CHAPTER	WED	2100L	VARIES	146.82
81	LONG ISLAND CHPT	FRI	2030L	K2YAW	147.33

81	LONG ISLAND QCWA	SUN	1130L	W2TLC	3917
84	FLORAL CHAPTER	MON	1930L	W4WKO	146.28
85	ARK-LA-TEX CHAPTER	MON	2100L	WA9PZL	146.67
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90	RAZORBACK CHAPTER	SUN	1300L	W5MYZ	7227
91	VIC CLARK CHAPTER	SUN	0900L	K4JAP	146.79
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92	NORTHERN LIGHTS	SUN	2000L	KL7CDG	146.97
94	ROADRUNNER CHPT	SUN	2000L	WB5YYX	146.72
95	EASTERN NEW YORK	SUN	1130L	WB1M	3900
96	GATEWAY CHAPTER	SAT	1600Z	W2KGI	3933
102	DAKOTA CHAPTER	SUN	1400Z	VARIES	3889
104	TREASURE STATE	SAT	0830L	W7OTJ	3936
106	GERMAN CHAPTER	MON	1700Z	VARIES	3669
106	GERMAN CHAPTER	TUE	1730Z	VARIES	3555
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107	CENTRAL FLORIDA	THUR	1230L		14245
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109	BATON ROUGE CHPT	SUN	0830L	VARIES	3905
109	BATON ROUGE CHPT	SUN	2000L	VARIES	146.19
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112	YANKEE CHAPTER	SUN	0830L	K1JJJ	3902
114	NORTH TEXAS CHPT	SAT	0830L	WA5BXH	3942
117	APPLESEED CHAPTER	SUN	2030L	W8JYY	147.36
118	COASTAL CAROLINAS	SAT	0900L	W4EHF	3895
120	QTR CTY WW	TUE	1900Z	K4KUU	14295
122	LAKE ERIE TRI-STATE	SUN	0930L	W3QPP	3916
123	LEE DEFOREST CHPT	SAT	0730L	K0DBW	3892
126	PIEDMONT CHAPTER	SUN	0845L		3935
128	PELICAN CHAPTER	SAT	1000L	K9BSL	145.29
128	PELICAN CHAPTER	MWF	1600L	K9BSL	145.29
130	INLAND EMPIRE	SAT	0800L	AA6J	3862
130	INLAND EMPIRE	FRI	1600L	AA6J	3862
131	GULF COAST CHAPTER	TUE	0900L	WF4V	28750
134	PINE TREE CHAPTER	SUN	1430L	VARIES	3942
135	MID-MICHIGAN CHPT	TUE	2000L		146.70
136	AUSTRIA CHAPTER	WED	1700Z		3720
138	CENTRAL NEW JERSEY	TUE	2200L		147.045
140	WYOMING CHAPTER	SAT	0800L	W7SQT	3923
141	HI-PLAINS CHAPTER	SAT	0900L	W5MVJ	3933
142	NORTHWEST OHIO	WED	2000L	W8FO	146.58
143	NORTH COLORADO	SUN	0830L	VARIES	145.115
146	TWIN STATE CHAPTER	SUN	0830L	WA1NBI	3898
149	NUTMEG CHAPTER	SUN	1130L	W1KHL	3923
150	DEL-MAR-VA CHAPTER	SUN	0900L	K3PFW	146.82
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152	ROYAL PALM CHAPTER	MWF	0800L	K4FA	14178
152	ROYAL PLAM CHAPTER	TU-TH	1300L	W4LZV	14178
152	ROYAL PALM CHAPTER	MWF	1300L	W4LZV	7220
154	LEO MEYERSON CHPT	THUR	1830L	W9VKC	145.480
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173	GOLDEN TRIANGLE	TUE	1930L	VARIES	147.255
174	WISCONSIN BADGER	SUN	1600L		146.82
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181	HUDSON VALLEY CHPT	TUES	0830L	KF2AC	147.060
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Ground, or Just Dirt?

Richard Z. Plasencia, WØRPV, 3632 Lynbrook Dr. NE, Cedar Rapids, IA 52402-2864

The ground connection for electronic equipment, particularly the radio transmitting type, can often be the most difficult part of the installation. Most people do not realize this. They move along secure in their knowledge that an effective ground has been made. Most of the time their knowledge is not tested - which is lucky for all of us. My purpose here is to give the reader some insights on grounds and some of the things to look out for. Unfortunately this is a topic so diverse, unique to local conditions, and so broad in coverage that no stack of encyclopedias can hope to cover it all. What we can do is point out the worst potholes on the road to a good RF ground.

I think I'd better start with a true story on the subject. Some years ago I had to make a hurry up trip to a South American country because their airport authority was complaining to my boss that our latest and greatest radio transceiver product was not working right.

Arriving on the scene I attempted a translation from "it doesn't work" to engineering language I could understand. Seems the operator burned his mustache on the microphone. He also complained that this radio wouldn't reach out as far as the older transceiver. I asked what had been changed. They said that to improve work efficiency they had moved the transmitter from the ground floor to the second floor to be in the same area as operations and dispatch services. Meanwhile I was inspecting the installation. There was a one gallon can such as used for house paint on the floor behind the desk holding the transceiver. A bare copper wire ran from the transceiver to the center of the can. The can was packed solid with red clay, I imagine from some nearby flower bed.

What is the can for I asked, almost afraid of the answer. That is the ground sensor engineer, just like it says in the installation manual. Incredulous, I asked to see the manual. Sure enough our technical writer had written that a suitable ground could be obtained by a connection to a water pipe or soil. (Everybody knows what I mean)

Besides the can-ground, they had omitted radials for the vertical antenna on the roof of the building. Radials were added and a heavy braided copper strap run down to the old ground connection against the outside wall downstairs. Now they were able to talk to aircraft over European airspace and Manuel's mustache was safe. Over twenty years have passed but they still remember me as the "great Yankee engineer." Maybe they mean my size.

Let's see what we can learn from that story. In the first place when they were on the ground floor the ground lead was short so the inductive reactance was low and they were able to get an effective low-impedance ground. The connection was to the water pipes coming into the building. When they moved upstairs they still used the wire for a ground and now the inductive reactance of a much longer wire isolated the equipment from ground. They saw no advantage to the long wire and opted for what they thought was just as good - a can full of dirt. Changing to a wide (large outside surface) conductor lowered the impedance enough to let the system work. The ground connection can often be improved by lowering its impedance or by series tuning the reactance out. The radials on the antenna we all understand to increase the efficiency and extend range. Now all the RF went out the antenna instead of coming back to burn Manuel's mustache.

The key word you should have noticed is IMPEDANCE. AC

circuits are a bit trickier than DC circuits. But don't despair; in this area of electronics often the best approach is empirical - cut and try as folks say.

With 60 Hz and DC achieving a low resistance connection is mostly a matter of the right size hardware connected to the lowest potential point in the neighborhood. But at higher frequencies life should be so simple. That same baseball bat sized buss bar that offers a fractional ohm resistance at DC can act like the best ceramic insulator given the right frequency. Did you ever see an RF transmission line using metal posts for stand-offs? Common occurrence in microwave circuits.

Aw hell, you say, microwave is an extreme example. Nope. It is a matter of size, I say. At lower frequencies the same thing works, it is just bigger. A shorted quarter wave line presents a nearly infinite impedance at the opposite end - an insulator. You could use 33 foot metal posts to hold up the ends of a 40 meter dipole instead of glass insulators. An unexpected resonance might explain why the last ground you tried didn't act like a ground. A well known manufacturer capitalized on a general lack of astuteness by marketing an artificial ground accessory. All this gadget does is series tune the reactance out of the ground lead.

For anyone except those with access to specialized test equipment measuring the impedance of an RF ground is nearly impossible. If you were able to get a measurement, you'd find it would be different on different days. Soil conductivity changes with weather and frequency of the applied RF to mention just two major items. Even the daily pull of the moon causes the Earth's crust to move thus affecting conductivity. So what should I do, you ask. At first glance this may appear to be overkill but there are other benefits to be obtained besides grounding the RF. You should always use as wide or as large external surface area conductor for your ground as you can image. Half inch strap is about minimum. Common brass door weather stripping is very good, so is copper braid; although many believe a solid strap outperforms braid. Use multiple length grounds. Those are grounds ending in different earth connections. The reason for this is to avoid that your one ground could be resonant to the frequency in use. That, of course, isolates the ground connection making it ineffective. A partly resonant ground lead is bound to be less effective than one that is non-resonant. The same applies to a lead going to a ground rod that is not achieving good earth conductivity. And if you did have only one perfect ground connection a high circulating current in the ground strap might induce RF back into nearby wiring. Unwanted RF is sort of like the glue the Katzenjammer Kids used in their comic strip pranks. It got all over everything no matter what precautions were taken.

If the equipment in question can be grounded do so. Avoid the use of "ground rods" sold for that purpose. These are copper coated steel rods that not only have a small surface area but also quickly corrode leaving you with a rusty steel rod in the earth. Better to use 5/8 inch copper water pipe. This pipe comes in a standard ten foot length and costs about \$3. Hammer one into the ground and solder to the top. You must use a propane torch. Multiple ground rods well spaced are much better than a single rod. Ground rods at different points in the system are better than having them all clustered.

There are some popular articles in ham literature showing how to improve the conductivity of a ground connection by sur-

rounding the ground rod with rock salt or copper sulfate, the theory being that this lowers the ground resistance. I'm sure it does that as well as pollute the environment and assure corrosion of the ground conductors. Ask yourself just how far the enhanced conductivity reaches. What we need is to distribute the resistance associated with a ground connection to reduce the unit area resistance and therefore the IR loss from RF current flow in the ground. Don't kid yourself, RF is going to flow in the ground no matter what you do. Whether your antenna is vertical or horizontal the image antenna, which is largely instrumental in determining the angle of radiation, is in the ground under the antenna. You can warm up the earth worms with high IR losses or put out a better signal. It's up to you. Think in terms of the idealized broadcast station antenna field of 120 radials 1/4 wave length long. It is there at great expense for one reason only: To provide an effective ground plane and low loss RF current return path. The broadcasters hate to waste their expensive RF on earth worms. Somewhere between one puny little ground rod and a broadcast radial field is where you want to be at.

Just a final note on the RF ground business. Almost all RF ground current is found in the first few inches below the surface. This is often no deeper than four to six inches at the most. That is why ground screens are often recommended and also why they are so effective. So why use a ten foot ground rod you ask. Because it makes a lower resistance ground connection for 60 cycle power and lightning. Burning your mustache on stray RF won't hurt as much as becoming a crispy critter from a lightning hit.

The other benefit from a good ground is protecting equipment from a lightning strike. A lightning strike is the result of a stroke lasting at most a very few milliseconds with voltages over 1000 million volts (no error) producing current flows of over 10,000 amperes (no error either). Something like that is very similar to an RF pulse and will also follow the path of least IMPEDANCE. The power in the lightning stroke will be dissipated by the circuit's ohmic resistance.

Your antenna not only can function as a lightning rod but also as the secondary winding of a power transformer. The primary is the magnetic field set up by a nearby lightning strike. When such a strike occurs sparks can be drawn from almost any nearby metallic conductor such as gutters and down spouts and your antenna. Which is a good reason to ground it during a storm. Bear in mind that transistor equipment won't stand this sort of abuse like our old tube equipment did.

In dealing with 10,000 amps even a wimpy piece of brass weather stripping has a good survival rate since the stroke attains its peak current value for a very short time. Think in terms of a slow blow fuse: no time to blow. How come a tree is blown up? The water in the sap has high resistance and is instantly turned to steam. I bet you never saw a dead tree blow up from a lightning strike.

I think that covers most of the concepts in grounding. The rest is up to you doing your level best to keep your multiple leads as short and wide as possible.

We shouldn't forget the antenna connection while we are on the subject. Install some means of disconnecting and grounding the coax lines from all antennas. Either a simple switch can do this job or you can make a coaxial patch panel with coaxial jumpers to perform the switching function. I have used both and find either equally effective. Most of all, if you hear thunder or reception becomes noisy with a buzz saw sound, ground that antenna at once and get out of the shack. We don't have that many members of QCWA that we can spare you. WØRPV

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12/14/95	27936	ULMER, SCOTT	K3FXB	LEESPORT	PA	RAY SHAUB, W3AXC
12/15/95	27937	SOSINSKI, ANDRZEJ	N6KUZ	RIVERSIDE	CA	-
12/15/95	27938	GUNTER, LARRY C	WB5BEK	AUSTIN	TX	JOSEPH C MAKEEVER, W5EBJ
12/15/95	27939	REIGLE, WILBERT S	N3IVT	DOUGLASSVILLE	PA	WILBERT C. HANNES, W3GOS
12/18/95	27940	POMERANZ, WILLIAM H	KB6FB	ROLNG HLS EST	CA	ALLAN F GAYNOR, W6IST
12/18/95	27941	WATT, BRYAN S	K5EXF	TULSA	OK	LEO I MEYERSON, WØGFQ
12/19/95	27942	JACOBSON, ROBERT C	K3RJ	RALEIGH	NC	-
12/19/95	27944	LAIDMAN, HARVEY S	N6HL	ENCINO	CA	DAVE BELL, W6AQ
12/19/95	27945	WIRTZ, EDWARD F JR	KØBKA	WASECA	MN	-
12/19/95	27946	FETH, LAWRENCE L	N8WKV	WESTERVILLE	OH	-
12/20/95	27947	BACH, MICHAEL W	WB6FFC	EAGLE POINT	OR	-
12/20/95	27948	BAKER, FRED	K7YXX	LAS VEGAS	NV	JERRY PERKINS, W7YDX
12/20/95	27949	RECK, SAMUEL H	N4PS	JACKSONVILLE	FL	-
12/21/95	27950	DAGGETT, THOMAS W JR	AC6CZ	LAGUNA NIGUEL	CA	V A CASHON, KØOAL
12/21/95	27951	PARDUE, JOSEPH A JR	KK5SQ	MARRERO	LA	-
12/21/95	27952	RITTER, DAVID M	KI4OO	ANGWIN	CA	-
12/21/95	27953	STEPHENSON, WILLIAM A	KAØQES	AURORA	CO	F W PANGLE, WØBEG
12/22/95	27954	BROWARD, CHARLES S III	W4JKE	MELROSE	FL	GARY LILJEGREN, WØSH
12/22/95	27955	KLAUSNER, SHERMAN M	KE4ESL	GAINESVILLE	FL	GARY LILJEGREN, WØSH
12/22/95	27956	TONJES, EARL W	W4NG	GAINESVILLE	FL	GARY LILJEGREN, WØSH
12/22/95	27957	MARSHALL, JOHN	WA4KNS	EVANS	GA	D A ANDERSON, K4PSW
12/22/95	27958	WALKER, DAVID R	NX6D	SOQUEL	CA	-
12/22/95	27959	RAPHAEL, DAMON S	WA7IVZ	TUCSON	AZ	-
12/28/95	27960	HARDING, JAMES E SR	K3DRJ	LA PLATA	MD	-
12/28/95	27961	JOHNSON, KENT B	KC7BGP	LAS VEGAS	NV	DON S GRANTHAM, WA6NLG
12/28/95	27962	KANE, ROBERT J	KC7MTV	PRESCOTT	AZ	L HALGUNSETH, WA6ZZJ
12/28/95	27963	KNESEK, BILLY BOB	K5ARS	AUSTIN	TX	ROY S MILLER, W5FOZ
12/28/95	27964	MC SHAN, WILLIAM MJ	N5JKY	EDMOND	OK	-
12/28/95	27965	POTTER, ALLAN	K5ZT	CORPUS CHRISTI	TX	-
01/02/96	27966	GEIGER, JOHN MICHAEL	ADØR	LAKEWOOD	CO	-
01/02/96	27967	MITCHELL, SIDNEY N	W2OGM	RUTHERFORD	NJ	ANDREW RAU, W2IET
01/02/96	27968	MORTON, ROBERT B	VE3BFM	EVERETT	ON	FRED HAMMOND, VE3HC
01/02/96	27969	SHEPPARD, TONY	VE3DIR	SCARBOROUGH	ON	FRED HAMMOND, VE3HC
01/02/96	27970	WURTHMANN, GUNTHER E	K2JKD	LINCROFT	NJ	ROBERT BUUS, W2OD
01/02/96	27971	RILEY, ANDREW A	N4INS	BOYNTON BEACH	FL	JEFF BEALS, WB2OUK
01/02/96	27972	STOHLMAN, ROBERT A	WB5QVN	OCCOQUAN	VA	TONY STALLS, K4KYO
01/02/96	27973	WIGEN, ELAINE M	WBØEJA	ROCKPORT	TX	LLOYD BROWN, WØCON
01/02/96	27974	WIGEN, LOUIS G JR	WBØEJB	ROCKPORT	TX	LLOYD BROWN, WØCON
01/02/96	27975	ANWEILER, HARRY	WØZGL	FENTON	MO	CARL E WIDELL, KDØIR
01/02/96	27976	BOSSE, JOHN A	WA1PFC	LAKEVILLE	MA	HERBERT NICKERSON, NS1P
01/02/96	27977	NOLLET, KEN ERIC	KØEN	ROCHESTER	MN	-
01/03/96	27978	BARNES, WINFORD	AE9L	AUBURN HILLS	MI	-
01/03/96	27979	EUTSLER, BILLY	WAØZGL	HAVELOCK	NC	-
01/03/96	27980	FORTIER, CHARLES H	WL7L	GRANTS PASS	OR	ARKIE LEWIS, W7YSM
01/03/96	27981	RUSSELL, HERBERT M	WAØYFB	SAPPINGTON	MO	-
01/03/96	27982	SEBESTA, CLARENCE W	AC5CD	PLANO	TX	-
01/03/96	27983	STRAZZARINO, JOSEPH A	W6BWZ	SACRAMENTO	CA	PAUL WOLF, W6RLP
01/03/96	27984	WEBB, CHARLES D	KØBWR	ST LOUIS	MO	CARL E WIDELL, KDØIR
01/03/96	27985	WOODWORTH, L E	KBØMZH	OVERLAND PARK	KS	BERYL MASTERS, WBØEJJ
01/03/96	27986	FISH, R JEROME	K8OQL	ROMNEY	WV	JOHN C KANODE, N4MM
01/03/96	27987	JEFFERIES, THEODORE R	ND4K	INGLIS	FL	WESLEY C RANDLES, W4COW
01/04/96	27988	FIELDS, KENNETH E	K5VFN	NEWALLA	OK	NORMAN M WILSON, W5FLO
01/05/96	27989	CAMPBELL, A DONALD	VE7IDA	ABBOTSFORD	BC	ERNIE SAVAGE, VE7FB
01/05/96	27990	TYLOR, FRANK J	AAØZP	BELLEVUE	NE	-
01/05/96	27991	TILTON, JAMES C	KD3JA	LANHAM	MO	-
01/05/96	27992	MACKAY, FRANCIS R	N4GUS	SPRINGFIELD	VA	-
01/08/96	27993	FROMM, JULIA A	AL7FH	BARTLESVILLE	OK	AL FROMM, AL7C
01/08/96	27994	GERARD, ANSELMO	WA4QOE	ST PETERSBURG	FL	J F STROM, K9BSL
01/08/96	27995	VAN POPERING, ALDEN	W4TSX	AUGUSTA	GA	D A ANDERSON, K4PS001/08/
01/08/96	27996	STONE, MICHAEL B	N6NHT	SEAL BEACH	CA	-
01/09/96	27997	JEWETT, BRUCE E	NV1J	LONDONDERRY	NH	-

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New Members, continued

DATE	NUMBER	NAME	CALL	CITY	STATE	SPONSOR
01/09/96	27998	SARGENT, GARY L	WA5REV	DALLAS	TX	- -
01/10/96	27999	HOOD, HOWARD H	WA7QQI	PORT ORCHARD	WA	- -
01/15/96	28000	GREYERBIEHL, MERRITT A	AC6PR	CATHEDRAL CITY	CA	DON DOUGHTY, W6EEN
01/15/96	28001	WHEATON, SHELDON T	KC0CW	OLATHE	KS	- -
01/16/96	28002	AHRENS, EDITH C	WB2NTT	NUTLEY	NJ	ROBERT POTTER, WA2ALQ
01/16/96	28003	FLIPPIN, J BRADLEY	K6HPR	CENTREVILLE	VA	- -
01/16/96	28004	HIGGINS, JOHN L	NO6Z	SAN DIEGO	CA	JOHN H WIETING, K6QM
01/16/96	28005	MORTON, WARREN G	WS7W	CASPER	WY	- -
01/16/96	28006	OWENS, BENSON J	K5KV	BATON ROUGE	LA	EDL CHARLTON, W5MD
01/17/96	28007	MC TAGGART, KENNETH S	N6KM	SONOMA	CA	DON FREEMAN, WS2Z
01/17/96	28008	SNYDER, MELVIN E	K8MIW	WEST OLIVE	MI	- -
01/17/96	28009	WEINSTOCK, ROBERT B	KN1K	LAWRENCEVILLE	NJ	- -
01/18/96	28010	BLACK, RAYMOND H	W2PKM	SUN CITY CNTR	FL	L WITKOWSKI, WA1EDR
01/19/96	28011	DURKIN, TIMOTHY P	WB6UAN	HAPPYJACK	AZ	REWEL NEWTON, WB7FEM
01/19/96	28012	LOWRY, BARRY A	WB6VIX	RIDGECREST	CA	- -
01/22/96	28013	NICHOLS, TIMOTHY C	KD2GJ	MOUNTAINSIDE	NJ	- -
01/22/96	28014	PALMIZIO, JOHN M	WA2RHH	SUN CITY CNTR	FL	L WITKOWSKI, WA1EDR
01/22/96	28015	WICKLUND, JOSEPH B JR	K17RH	BOTHELL	WA	DOUG GARMAN, AB7IV
01/22/96	28016	FRANKLIN, WILLIAM S	W7DOZ	PHOENIX	AZ	- -
01/22/96	28017	KANE, MICHAEL J	N1KBF	MANCHESTER	NH	GLADYS CHASE, W1VPF
01/22/96	28018	OZSVATH, ARTHUR A SR	W3MKL	E NEW MARKET	MD	WILLIAM A KUNING, W3BY
01/22/96	28019	STRICKER, JEFFREY M	KF9S	KOKOMO	IN	- -
01/22/96	28020	TIREVOLD, A L	WA0HQQ	KENNESAW	GA	- -
01/23/96	28021	PICKRELL, PAXTON EARLE	AE3O	MOUNT AIRY	MD	JACK FORBING, K9LSB
01/23/96	28022	KERN, KENNETH C	KA5SGN	TULSA	OK	A J INGRAM, W5QVS
01/23/96	28023	MONARCH, ROBERT C	K9UHR	OLNEY	IL	- -
01/24/96	28024	ANGELL, ELMER E JR	W1YYQ	SUN CITY CNTR	FL	L WITKOWSKI, WA1EDR
01/25/96	28025	SWEETKO, STEPHEN JAMES	AA4BG	TULSA	OK	- -
01/26/96	28026	FLANAGAN, DICK	W6OLD	MINDEN	NV	NEIL MC KIE, WA6KLA
01/26/96	28027	HOLMES, NILS	W6OZV	CUPERTINO	CA	- -
01/26/96	28028	KISHIKAWA, YOZO	JH3KAI	HYOGO,	JAPAN	- -
01/26/96	28029	POISSON, RAYMOND J	W8MBY	MC ARTHUR	OH	- -
01/29/96	28030	CARRICK, ROBERT P	WB5MZF	CERRILLOS	NM	- -
01/29/96	28031	GARDNER, CLARENCE	AH6CG	LAWAI	HI	- -
01/29/96	28032	RIDEOUT, ELMER W JR	KA7MUI	CHEYENNE	WY	- -
01/30/96	28033	JUDY, GERALD M	W7CCY	YAKIMA	WA	D REIMENSCHNEIDER, K7MGB
01/30/96	28034	LUX, PAUL	K1PL	CROMWELL	CT	- -
01/30/96	28035	GIROUX, JOHN T	N2LCX	SYRACUSE	NY	FREDERICK V ADSIT, NY2V
02/02/96	28036	HAMMETT, JACK C	K4VV	VIENNA	VA	TONY STALLS, K4KYO
02/02/96	28037	JOHNSON, DAVID L	WA7QNS	BILLINGS	MT	- -
02/02/96	28038	MURPHY, OTIS SR	K4GIW	MILLEDGEVILLE	GA	- -
02/02/96	28039	WILLIAMS, MICHAEL J	AK70	BOISE	ID	KEN HASTINGS, W7NPO
02/02/96	28040	WILLMUTH, JOHN C	NQ4Q	CHANTILLY	VA	AL WHEELER, WB4JJJ
02/02/96	28041	HAYES, WARREN D JR	WA4UAU	VIANNA	VA	TONY STALLS, K4KYOP
02/02/96	28042	MURRELL, WILLIAM W JR	AD4DNW	WILMINGTON	NC	- -
02/05/96	28043	DEAN, PAUL K	WB9HGZ	CHARLOTTESVIL	VA	- -
02/05/96	28044	MUELLER, KEITH N	KD4RXO	NASHVILLE	TN	- -
02/05/96	28045	BENJAMIN, LAWRENCE P	AA2SC	SUN CITY	AZ	GEORGE CHAET, W1RGH
02/05/96	28046	MALORY, LOUIS P	WA6DVK	CEDAR GLEN	CA	ALBER F HILL JR, W6JQB
02/05/96	28047	MC HERRON, JAMES	N2LZI	MANLIUS	NY	JOSEPH P MOLINARO, W2FUU
02/05/96	28048	SHANDS, GEORGE H	W9WUU	MADISON	WI	- -
02/06/96	28049	BLAKE, CHRISTOPHER	NX4N	COCONUT CREEK	FL	BLANCHE RANGLES, W4GXZ
02/06/96	28050	LEVY, SHIRLEY W	WB4DSW	DELRAY BEACH	FL	BLANCHE RANGLES, W4GXZ
02/06/96	28051	HEARN, WALTER N JR	WB4EDO	VERO BEACH	FL	- -
02/06/96	28052	MARSH, WILLIAM A	KQ4TC	MARATHON	FL	CROFT TAYLOR, VE3CT
02/06/96	28053	SAMMONS, GROVE E	WA4DQE	FT MYERS	FL	ED YODER, W3YMB
02/06/96	28054	BRANNIN, ROBERT H	W7TQZ	CARSON CITY	NV	EDWARD B CONRADT, W7MXJ
02/06/96	28055	MENARD, CHARLES W III	WB9IFE	ADDISON	IL	- -
02/07/96	28056	BONNETT, ROGER	WB9NOE	PLANTATION	FL	ART RAUCH, W4VZ

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Advance Registration

1996 QCWA

National Convention

Ottawa Canada

4-5 October 1996

Hosted by:

National Capital Chapter No. 70

at the Citadel Inn, 101 Lyon St., Ottawa,

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Spouse/Guest _____ Call (if any) _____

Mailing Address _____

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Telephone () _____ - _____ E-Mail or Packet _____

(For your convenience, the following rates are shown in both Canadian and US funds, rounded to the nearest convenient amount. Please remit using whichever currency you wish.)

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Amateur Registrant	_____	@ \$13.00 _____	@ \$10.00 _____
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(Note: You must pre-register to attend functions listed below)			
Saturday Buffet Breakfast	_____	@ \$14.00 _____	@ \$11.00 _____
Saturday Banquet (beef sirloin)	_____	@ \$34.50 _____	@ \$27.00 _____
(roast turkey)	_____	@ \$26.00 _____	@ \$20.50 _____
Sunday Brunch	_____	@ \$19.75 _____	@ \$15.50 _____
Friday Double Decker City Tour & Tea	_____	@ \$18.50 _____	@ \$14.50 _____
(3 hours - afternoon tea included)			
Sunday Steam Train Foliage Tour	_____	@ \$29.50 _____	@ \$23.00 _____
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Total (Cdn)		_____	(US) _____

Queries may be made via Internet: bo075@FreeNet.Carleton.Ca Packet: VE3GFI@VE3FD.#eon.on.can.noam)

or Telephone: (613) 826-2426 Advance registrations must be received by 16 September 1996

Make cheque or M.O. payable to 'QCWA Chapter 70/1996 Convention' and mail with this form to:

Carl Everson, VE3BYX, P.O. Box 4, Osgoode, Ontario, Canada, K0A 2W0

Letters From J. Harvey McCoy, W2IYX

provided by Jules L. Freundlich, W2JGR

Introduction

In going through my files, I came across the enclosed letters sent to me in 1986 by J. Harvey McCoy, W2IYX. Harvey became a Silent Key in April, 1994 at the age of 83. I think he left behind a legacy which is worth recording in the annals of QCWA. The content of the letters should bring back some cherished memories to many of our members. And some heretofore unknown significant historical events are brought to light.

In recent years Harvey was best known as the editor and publisher of the Long Island DX Bulletin. I had the good fortune to be associated with him over a period of two decades.

Jules L. Freundlich, W2JGR

Dear Jules

I don't believe that I have formally thanked you for the efforts that you have contributed in pioneering a regular RTTY feature in the Long Island DX Bulletin. Permit me, at this time to express my sincere appreciation.

Your account of your recent visits to the Middle East were indeed interesting. I've been asked to write a sort of autobiography on my own experiences and will appreciate your comments on the following feeble attempt to review some of my background. By the way, our mutual friend in Cairo sent me a World Time Seiko wristwatch even though I told him that I had a similar one. If you know of anyone who can use it, he's asking \$50.

It's amazing how Amateur Radio has played a role in our lives. About the time I entered High School, a friend told me that the owner of the Strand Danceland (a dime-a-dance place in Brooklyn) had obtained a Broadcast Station License and was looking for an electronics technician to help in its construction. Since it was located within walking distance of my home, I went there to apply for the part-time job. (My "electronics" background up to that time had been the construction of a Spark Transmitter, a crystal receiver and a one-tube Reinartz receiver that could (and did) double as an oscillator). There I met an old-time shipboard operator named Joe Burch. We hit it off from the beginning of our conversation and I was hired for the part-time job at \$5 a week.

In six months we had built a 500-watt transmitter, a studio console to mix two turntables and 3 double-button carbon mikes, a mixer-amplifier for remotes - plus designing and having installed a big flat-top antenna on the roof of the downtown Brooklyn building. The flat-top comprised 5 parallel wires with 50' spreaders at each end of the 125' span, all mounted atop 75' steel pipes. Fed at the center, the down-lead was part of the radiating system from the moment it left the transmitter. It worked like a charm on 1400 KHz and we used to run the station into the wee hours of the morning and revel in the telephone calls and letters that we would receive from distant states. I was the studio/transmitter operator after school hours, and I remember my elation when my pay was raised to \$15 a week!

In my Senior Year in High School they gave me another \$5 raise and I became an Announcer. That opened new doors! If you remember, in the old days, many of the studio shows were

vocalists and instrumentalists. When on a couple of occasions, the piano accompanist failed to arrive on time, I was called upon to fill the gap. I had studied piano at the Brooklyn Conservatory of Music and, I must admit, was pretty good. One of the vocalists was a Cantor at a synagogue in Brooklyn. I was looking for a way to increase my income, so I asked him to introduce me to some of his friends at the 2nd Avenue Theater on Manhattan's East Side. He did and we put together several broadcasts in Yiddish. I had spoken to the owner of the station and told him that I thought I could put together a series of Jewish Hours that would sell like hotcakes. He agreed and gave me a contract that paid me 30% commission on both air-time and performer fees.

When I entered Brooklyn Polytech as a Freshman, I had earned enough to buy a new car and, while men were selling apples on street corners (1932), I was bringing home a husky pay-check. My first sale was to Manishevitz who signed up for one hour a week for 26 weeks. From there on it was duck soup and soon we had one, then two hours of Yiddish programming every night. A couple of actors from the 2nd Avenue Theater put together a comedy show for me which I sold to the Paragon Paint Company. It was called "Ike The Paragon Painter". Unfortunately for me, I only signed them up for 2 years. We couldn't match NBC's offer to them the following year, and they became "The Goldberg's" which ran on NBC for more than 10 years. Remember "Molly Goldberg"?

Anyhow, I was finishing my 2nd year of E.E. at Polytech and was very disillusioned because, although we had an Amateur Station in one of the turrets of the college, I hadn't had anything in a course that even remotely approached electronics. I went over to RCA Institute and attempted to enroll (intending to quit Poly). I filled out all the Entrance Forms and went in for my interview. The Interviewer read over the Forms and said to me, "Why, at this stage of your education, are you coming here?" I explained that I was primarily interested in electronics but wasn't getting any. He said, "Oh! . . . and then went on to say - 'have you ever thought of simply using Kilocycles instead of cycles in the formulae they've been teaching you?' He proceeded to amplify on this theme until I felt like the proverbial jerk. I ended up by enrolling in their Code Class (for which I still have the Certificate for 45 wpm) and returning to Polytech.

It used to be that fathers encouraged their sons to try to get a job with a Company that had a good pension plan. When I graduated, I applied for and was hired by the Brooklyn Edison Company (which is now part of Consolidated Edison Co.). I went to work as a Cadet Engineer (because they wanted their engineers to be in-house trained). It meant spending anywhere from a few days to a few weeks in every Department of the Company for a period of two years. At the end of the 2-year Cadet assignment, you could apply for an opening in the engineering area you liked best. I never really finished the Cadet Engineering stint (although they gave me credit for it) because too many diversions occurred - or I caused them to occur....

My first assignment was to accompany an Underground Foreman. We drove out to one of his underground crews and after about 15 minutes with them, he drove about a block to a

pay telephone for any instructions. He was told that an underground feeder short was popping manhole covers about a mile from us and was given a location considerably ahead of the problem area to cut the feeder. We dashed back to the crew, directed them to the given manhole and I witnessed for the first time the procedure in cutting a live 33 KV feeder. They have a long bamboo pole with a husky pair of cutters which are activated by a .45 caliber blank cartridge. From the top of the manhole they align the big cutters above and below the wrist-size feeder. Then they stand back, press the detonator handle, there's a loud bang followed by a tremendous flash and thunderous whoosh with a cloud of smoke, and the cable has been severed. (Now they have automatic network Protectors).

It was an interesting experience for me but I was appalled by the fact that it was only by sheer happenstance that the Foreman I was with - had telephoned the Dispatcher at an opportune time. When I got back to the office, I requested and got an immediate appointment with the Chief Electrical Engineer. I told him that I was appalled and dismayed at their lack of radio communications. Even the New York City Police had one-way radio at that time. I offered to set up an experimental Amateur Radio operation between his Field Dispatcher and at least one of their emergency vehicles. Fortunately, he was receptive to my suggestion and the following day was spent with a ham friend of mine who happened to be an Engineering Department head in New York Edison (an affiliate company).

Together, we worked out a plan where he would install his Amateur rig in a Dispatcher's office and I would install my rig in an Underground Emergency truck. I visited Walter Batchelder at the FCC in NYC and obtained the OK for a month of experimental operation on the 5-meter band.

My buddy and I spent the following day making the installations. On the next day, he was at the base station in the Dispatcher's office and I was riding the radio-equipped emergency truck. AS IF WE HAD PLANNED IT, about 11 AM a radio call came through announcing an underground feeder short and giving the location for a cut. My truck was only a couple of blocks away from that location and we had the cut made within less than 15 minutes from the time of the call. When I called the Dispatcher, I was told to report directly to the Chief electrical Engineer the following morning.

To make a long story short, when I arrived at the Boss's Office the following morning, he had several of the company executives there, including the Chairman of the Board of Directors. I remember his opening remarks: "Yesterday, as the result of a brilliant suggestion and an approved action on the part of two of our engineers - both of whom are Amateur radio operators, the Company saved an estimated quarter million dollars. . . ." He went on to describe a typical underground feeder burnout - how it would continue to burn and pop manhole covers for hundreds of yards - and how the marvels of 2-way radio enabled a radio-equipped emergency crew to intercept the fault before it had run its course. I got a \$4 a week raise and was made Communications Engineer. I was also instructed to prepare a cost estimate for equipping about one-third of the Overhead and Underground fleet with 2-way radio.

Word of our radio doings somehow reached the airlines. The Chief Engineer of the predecessor to American airlines, headquartered at the old North Beach Airport (now La Guardia Airport) telephoned me and offered me a job as his Assistant

continued next page

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Many of you have asked and now we have an official QCWA Badge for you to wear at amateur functions. **It is white with black letters** and the above is an actual size reproduction. This badge is totally engraved, no 'hot press', and so it should last a lifetime.

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Chief Engineer. I visited his shop where he was working on a breadboard extension to the breadboard receivers they were using in the aircraft. The new breadboard was a CW transmitter with about 10 watts output.

I couldn't accept his job offer because I was working full-time at the Edison Company plus working part-time at the broadcasting station as an announcer. Every night I was out doing remotes of the Big Bands at nightclubs and dance halls. Even Saturday mornings had me on the stage of the Brooklyn Strand Theater doing a Children's Hour and Saturday afternoons were a regular feature with Arthur Previn conducting the pit band and stage show from the Brooklyn Fox Theater. Sometime when you're visiting my home, remind me to dig out some old scrapbooks which have newspaper clippings of me as the Guest Announcer on NBC for a Jessica Dragonette concert, and the "Announcer" on a 1 KW Public Address System aboard the Goodyear blimp, Columbia, flying over New York City making appeals for Unemployment Relief, as half of the Guest announcer team with Norman Brokenshire at the dedication of the million dollar organ in St. Patrick's Cathedral in NYC, doing a network "straightman-fall guy" routine with Jimmy Durante at the old Village Grove Nut Club, etc., etc. Even with a full schedule, I was sufficiently interested in the aircraft project to drop in there whenever I was in the area and try to contribute to the project.

Meanwhile, I was designing and pricing a VHF comm system for the Edison companies. For 3 base stations and about 100 vehicles, I came up with a figure around \$60K plus installation by our own people. I was shocked when a \$25K appropriation came through - especially after the big hurrah of saving a quarter million dollars on the demonstration event. I was so incensed that I let my better judgement go down the drain. I approached an acquaintance who was an executive in the New York Telephone Company and sold him on the idea of establishing a mobile radiotelephone service. I even guaranteed him a minimum \$25k first year revenue from the Edison Companies and assured him that once the service was initiated, many more companies and individuals would come aboard. I even outlined a parallel service for marine mobiles. To this day, I kick myself for giving away an idea that could have made me a fortune.

Naturally, the Telephone Company jumped on the idea. Western Electric Company started duplicating our ham sets (with some window dressing) and Fred Link went into business building mobile rigs to pick up the slack in Western Electric's production.

My ham buddy in the Edison Company - Earl Thomas - was a Reserve Lt. Colonel in the Army. Immediately WW II broke, he called me and asked me to join his outfit with the rank of Major. I went down to Whitehall Street, went thru a physical and took the prescribed shots. About a week later, a telegram arrived addressed to 2nd Lt. J. H. McCoy and signed Ulio, The Adjutant General, US Army. I immediately drove down to Washington, DC and spent a day trying to find General Ulio to learn what in Hell happened to my promised higher Commission. In the course of my search, I wound up in the Office of the Chief Signal Officer and was escorted to a Colonel Bagnall who headed-up the Army's Plant Engineering Agency (which handled all of the Army's communications). He greeted me like a long-lost relative. "You're the man who worked with Col. Earl Thomas. You're the communications hotshot that brought mobile radio to my Department in the Telephone Company. What brings you here?"

When I explained the Commission foul up, he said, "What

the Hell do you want with a monkey suit? I need you here to head up this Agency. I can pay you more than you'd earn as a Major. Stay as a civvie and run this place for me!". He thereupon brought me back to the Chief Signal Officer, introduced me to the General in flattering terms that made me sound like a 1942 Marconi - and I accepted the appointment.

I returned home, took a wartime leave of absence from the Edison Company and then returned to Washington. Actually, things didn't work out quite the way the Colonel had promised. He had said that I would run the Agency. When they took me down to the Office, the first person they introduced me to was a civilian named Earl Eldridge, Chief Engineer. He had been told that I was coming in as Deputy Chief Engineer, Office of the Chief Signal Officer, Plant Engineering Agency. In other words, I was his assistant . . . I didn't say anything about it to Eldridge but shortly went back to the Colonel and laid my cards on the table. He told me that Eldridge was a civil servant with long seniority that they couldn't do anything about. However, the Colonel said, he knows that you will be making the decisions and you will find him fully cooperative and totally cognizant of the status of your position. Actually, I did find him fully cooperative and we became close friends. I really needed his help in finding my way through the maze of established procedures and related red tape.

After being there about three days, I was called up to the Office of the Chief Signal Officer. The General explained some of the pressing problems, the most important of which was the lack of telegraph operators to fill all of fixed stations and all of the field requirements. Is there any way to automate our Base Stations and thereby enable us to send more telegraphers into combat units? he asked me.

Some time previously, I had been introduced to a man whose name I will never forget. Ralph Coxhead. He was President of the Varityper Corp. They manufactured typewriters that used different numbers of space increments. For example, an i was 2 increments in length, the same for an f and a t. The letters c, d, g, h, o, etc, used 3 increments of space, respectively. The thought hit me that maybe he could design a typewriter that could produce Morse characters from a standard typewriter keyboard - with constant length dots, constant length dashes, equal spacing between the component elements of a Morse character and a longer but constant length between complete Morse characters. To make the cheese more binding I drew up the entire Morse code and then added the equivalent letter character below it so any typist could prepare a tape in Morse code.

In the meantime, I had a photocell tape scanner/keyer constructed, so that when he delivered the first Morse Code tape typewriter about 10 weeks later, we immediately set it up at the Washington Message Center and it worked like a charm. Everybody, including the General was elated and they immediately ordered 100 of them.

I wasn't too excited because I expected an early call from topside asking for an automatic tape reader - and I didn't know how to accomplish that. So, the idea struck me to wire-in a pair of teletypewriters on a radio circuit. I was sure that would work because the Hearst Newspapers had been playing with a couple of transAtlantic radio circuits using RTTY. I made an appointment with the Hearst office in NYC and spent a week observing their RTTY operation.

The Hearst RTTY circuits were not too impressive. Fading would all too frequently mess up words and sentences, often throwing the receiving printer out of sync. There had to be a

way to alleviate the fading problem. I remembered reading that RF signals separated by as little as 100 cycles demonstrated different fading characteristics (level differentials and time or phase differences). It was worth a try. I called Bell Labs and asked them if they could provide me with audio filters (such as were used in their J and K Carrier Telephone systems). I also asked them the frequencies of the filters which they had in greatest supply. Their answer was that they had thousands of available 2125 and 2975 cycle filters in stock. That is why we began with an 850 cycle shift. (I have been commended for designing FS RTTY with the IDEAL shift of 850 cycles. Now YOU know that the only reason I selected a shift of 850 cycles was because of the availability of those audio filters).

The first FS RTTY circuits that I set up were at the terminals of a Caribbean Weather Network. It worked beautifully from Day One and I dashed around the country getting manufacturers to build my FS Keyers and FS Converters. Hallicrafters, Western Electric, Northern Radio and others were producing them as fast as they could turn them out. Concurrently, I was having Press Wireless, Federal Tel and Collins build me 40 and 50 KW Class C RF Amplifiers to make sure there'd be a minimum of marginal fading on the overseas circuits. . . I filed for a patent in 1943, but the War Department clamped a SECRET classification on it and it wasn't released until 1952.

During a visit to Bell Labs, I was intrigued with their very early development of SSB. I got the Army to contract with them to expedite their program and was working with them when I received an urgent call to attend a meeting in the Office of the Chief Signal Officer.

When I was ushered into the General's office, the room was filled with people. Gold Stars galore, members of the President's Cabinet, the Secretary of War, etc., etc. I was introduced and the meeting was abruptly ended. As everyone was filing out, the General told me to remain. My curiosity was killing me. Why had I been called into what was obviously an important conference and then, immediately after being introduced, why was the meeting dismissed? The General motioned to me to be seated in a chair alongside his desk. We're going on a trip, he said. "It's highly classified and you won't know where you're going until you get there. Your arrangements to get to the first spot, Presque Isle Army Air Base, are awaiting your pickup in the Transportation Office. You leave tomorrow morning. I'll see you in a few days. Good luck!". Then, as an afterthought he said, "Here's a letter from the Secretary of War that will open doors for you."

To be continued next issue.

New Chapter Founded

As of February 8, 1996, the QCWA has added a new Chapter to their list of active groups.

This new chapter is the Sun City Center Chapter in Sun City Center, Florida. The number of the Chapter is # 195. They furnished some thirty names for the Charter applications. The President is Leonard Witkowski, K1QPJ and his wife, Lorraine, WA1EDR, is the Secretary. Their address is 812 McCallister Ave, Sun City Center, FL, 33573. Welcome to the family of the Quarter Century Wireless, Assn., Inc.

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Member Classifieds

WANTED: Collins 312B4 spkr console (rack mount preferred) and Collins desk microphone (model does not matter) for Collins S-line. Must be in good to exc condx.; for HQ140X, one small (brown in color) knob, also one large tuning knob, brown in color. Ernie Savage, VE7FB, 4553 W. 12th Ave., Vancouver, BC V6R 2R4, Canada. (604) 224-5226, FAX 224-4659

WANTED: Collins KWM-2-A plug-in relay, must be clean. Jack Busk, W9FQK, 926 Rio Verde E., Cottonwood, AZ 86326. (520) 634-2028

WANTED: David Grimes radios models: M3XP & 4DL. Mike Grimes, 3805 Appomattox Cir., Plano, TX 75023. (214) 867-6373

WANTED: Heath HO-10 monitor scope, must have good pwr xfmr. Will pay cash. J.F. Strom, K9BSL, 233 34th Ave. N, St. Petersburg, FL 33704-2241-12. (813) 822-9107

WANTED: Collins 51S1, 75S3 B or C, KWM-380; National HRO-500, NC-400, SW-4, SW-5; Hammarlund PRO-310; RME-9; Hallicrafters FPM-200, FPM-300, SX-88, SX-73; Racal RA17. Steve, K6PFW, 848 N. Silverwood, Upland, CA 91786. (909) 985-1062

WANTED: German WW II radiosets, Clandestine sets; cipher devices. R. Otterstad, Hosterkobvej 10, DK-3460 Birkerød, Denmark. Phone: + 45-4281 5205

WANTED: Top \$ for a Brown Brother's straight key & WRL SS-3 Q-multiplier. Gary Wagner, 11124 Oak Hollow Rd., Knoxville, TN 37932. (423) 690-4217 M-F days.

WANTED: Swan 250C rig w/manual. Fred, WØBMT, 205 E 4th St., Neligh, NE 68756. (402) 887-5201

WANTED: Squires-Sanders SS1-R; National HRO-500; SW 3 Universal. John Hurst, KU6X, 2512 Euclid Cresc. E, Upland, CA 91784.

WANTED: Motor for old Numechron Tymeter 24-hr clock; service manual for Collins HF-380 (has dead ps). Woody, WRØS, P.O. Box 5, Franktown, CO 80116-0005. (303) 660-1616. woody@ncsc5.att.com

WANTED: Schematic &/or manual for Breting 12. Will pay copy cost, shpg. Dick Bixler, WA7DKF, 14955 NW Channa Dr., Portland, OR 97229. (503) 690-2557

WANTED: Phillips Code Book. Aubrey, KBØZE, MO, (816) 966-0115, call collect.

WANTED: Ceramic xtal sockets; Millen 33102 (fits FT-243). Used is OK if not chipped or cracked. Please state price desired. Arnold Sayre, W8WVM, RFD 7, Box 14, Buckhannon, WV 26201. (304) 472-1629

FOR SALE/TRADE: Millen NOS 90801 TX; Millen 90881 amp. **WANTED:** Millen 90711 variarm VFO; Stancor 10P. Tom Smith, N5AMA, 13034 Elmington Dr., Cypress, TX 77429-2062. (713) 376-3436 (h), 957-6420 (w)

FOR SALE: Realistic scanner, model PRO-38 w/manual, top condx. - \$100. Daniel Seidler, 3721 W. 80 St., Chicago, IL 60652. (312) 284-8221

FOR SALE: Legends of Amateur Radio, a 42 minute video featuring W6HX, K6OJ, and W6EA. Tall Tales and Big Antennas, produced by the Southern California DX Club, "... enjoyed running it" - Hugh Cassidy, WA6AUD - \$10 + \$3 shpg. Please send check and make payable to: Harvey Laidman, N6HL, 4923 Encino Terr., Encino, CA 91316.

FOR SALE: Hallicrafters HQ-129X, S-38E, both operative; RCA 40-50's microphone, best offer for each item. All + shpg. John D'Luhy, K2EXI, 115 Ludlow Ave., Spring Lake, NJ 07762. (908) 974-0974

FOR SALE: Kenwood TS-440S/AT w/built in antenna tuner, 500 Hz CW filter, additional 2.4 kHz SSB filter, PS-50 heavy duty pwr sply & spkr, like new - \$850. Earl Carter, W4EU, 11310 Pine Acres Ln., Chesterland, OH 44026. (216) 729-8011

FOR SALE: Matched 6JB6A's, new - \$35; SASE or call for list of Heath test equip., xmatch parts, tubes, xfmr's, etc. Robert Lang, AA2EO, 120 W. 70th, 7-A, New York City, NY 10023. (212) 877-0980

FOR SALE: ARRL Handbooks 1960 & 1964; Call books: 1978, 1980, 1983, 1984; 1971-72 winter, 1972-73 winter, 1976-77 winter; DX listings 1973, 1974. Mike Kovar, W2ZN, 24407 S. Ribbonwood Dr., Sun Lakes, AZ 85248. (602) 895-8848

FOR SALE: 24" spun Aluminum Dishes f/D=.45 - \$40; Helical feed for 2.4 GHz - \$35; linear feed for 10 GHz - \$20. Ralph, WA8WBP, 408 Liberty, Sturgis, MI 49091. (616) 651-6394 MC/VI OK.

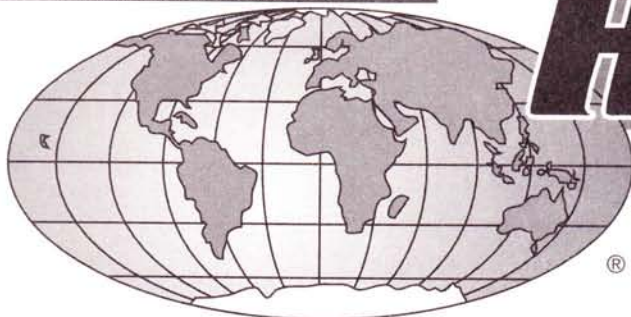
FOR SALE: 30L-1, exc. - \$395; Ranger, exc. - \$125; HQ-110, exc. - \$115; Zenith 8-band "solid-state" Trans-oceanic, very nice - \$125. Jack Busk, W9FQK, 926 Rio Verde E, Cottonwood, AZ 86326. (520) 634-2028

FOR SALE: Kenwood TS-940, MC-60, SP-940, filters & manuals, like new - \$1200 OBO. K3AM, 100 Coolidge Ave., New Cumberland, PA 17070. (717) 774-6928

Please send ads to QCWA Journal, P.O. Box 57, Hesperus, CO 81326 to arrive no later than 1 month prior to our publication dates.
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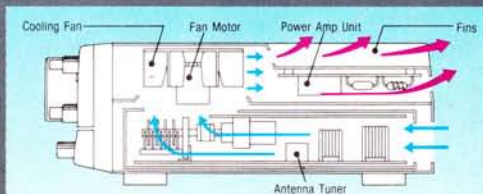


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